

Volume

#

R0312

BOOK A-312

INDEX DIAGRAM.

Township N., Range W.

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200K - P. 1

### PRELIMINARY OATHS OF ASSISTANTS.

We, ..... and .....  
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the  
chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that  
we will report the true distances to all notable objects, and the true lengths of all lines that we need in  
measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

....., Chainman.

....., Chainman.

Subscribed and sworn to before me this ..... }  
day of ....., 190 }



We, ..... and .....  
do solemnly swear that we will well and truly perform the duties of moudmen in the establishment  
of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

....., Moudman.

....., Moudman.

Subscribed and sworn to before me this ..... }  
day of ....., 190 }



We, ..... and .....  
do solemnly swear that we will well and truly perform the duties of laymen in the establishment of corners  
and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

....., Layman.

....., Layman.

Subscribed and sworn to before me this ..... }  
day of ....., 190 }



I, ..... do solemnly swear that I will well and truly  
perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the  
survey of .....

....., Flagman.

Subscribed and sworn to before me this ..... }  
day of ....., 190 }



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INDEX DIAGRAM.

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35						
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Meanders Page.....

## PRELIMINARY OATHS OF ASSISTANTS.

WE, \_\_\_\_\_ and \_\_\_\_\_  
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of \_\_\_\_\_

, Chainman

, Chainman

Subscribed and sworn to before me this \_\_\_\_\_  
day of \_\_\_\_\_, 190 }  
{



WE, \_\_\_\_\_ and \_\_\_\_\_  
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of \_\_\_\_\_

, Moundman

, Moundman

Subscribed and sworn to before me this \_\_\_\_\_  
day of \_\_\_\_\_, 190 }  
{



WE, \_\_\_\_\_ and \_\_\_\_\_  
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corner and other duties, according to instructions given us, to the best of our skill and ability, in the survey of \_\_\_\_\_

, Axman

, Axman

Subscribed and sworn to before me this \_\_\_\_\_  
day of \_\_\_\_\_, 190 }  
{



I, \_\_\_\_\_, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of \_\_\_\_\_

, Flagman

Subscribed and sworn to before me this \_\_\_\_\_  
day of \_\_\_\_\_, 190 }  
{



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INDEX DIAGRAM.

Township 2 N., Range 10 W.

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30	29	28	27	26	25
31	32	33	34	35	36

Meanders Page.

## PRELIMINARY OATHS OF ASSISTANTS.

WE, \_\_\_\_\_ and \_\_\_\_\_  
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level a  
chain upon even and uneven ground, and plumb the tally pins, either by ticking or dropping the same; that  
we will report the true distances to all notable objects, and the true lengths of all lines that we assist  
measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey

, Chainmen

, Chainmen

Subscribed and sworn to before me this \_\_\_\_\_  
day of \_\_\_\_\_, 190 \_\_\_\_\_ }



WE, \_\_\_\_\_ and \_\_\_\_\_  
do solemnly swear that we will well and truly perform the duties of moudmen, in the establishment  
of corners, according to the instructions given us, to the best of our skill and ability, in the survey

, Moudmen

, Moudmen

Subscribed and sworn to before me this \_\_\_\_\_  
day of \_\_\_\_\_, 190 \_\_\_\_\_ }



WE, \_\_\_\_\_ and \_\_\_\_\_  
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corner  
and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

, Axmen

, Axmen

Subscribed and sworn to before me this \_\_\_\_\_  
day of \_\_\_\_\_, 190 \_\_\_\_\_ }



I, \_\_\_\_\_, do solemnly swear that I will well and truly  
perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the  
survey of \_\_\_\_\_

, Flagman

Subscribed and sworn to before me this \_\_\_\_\_  
day of \_\_\_\_\_, 190 \_\_\_\_\_ }



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Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

WE, \_\_\_\_\_ and \_\_\_\_\_  
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the  
chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that  
we will report the true distances to all notable objects, and the true lengths of all lines that we assist  
measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey.

*Chainman*

*Chainman*

Subscribed and sworn to before me this \_\_\_\_\_  
day of \_\_\_\_\_, 190 }  
                        {



WE, \_\_\_\_\_ and \_\_\_\_\_  
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment  
of corners, according to the instructions given us, to the best of our skill and ability, in the survey

*Moundman*

*Moundman*

Subscribed and sworn to before me this \_\_\_\_\_  
day of \_\_\_\_\_, 190 }  
                        {



WE, \_\_\_\_\_ and \_\_\_\_\_  
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners  
and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

*Axman*

*Axman*

Subscribed and sworn to before me this \_\_\_\_\_  
day of \_\_\_\_\_, 190 }  
                        {



I, \_\_\_\_\_, do solemnly swear that I will well and truly  
perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the  
survey of \_\_\_\_\_

*Flagman*

Subscribed and sworn to before me this \_\_\_\_\_  
day of \_\_\_\_\_, 190 }  
                        {



100% 50%

## INDEX DIAGRAM.

Township 4 N., Range 9 W.

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PRELIMINARY OATHS OF ASSISTANTS.

WE, ..... and .....  
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level a chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey

, Chainman

, Chainman

Subscribed and sworn to before me this ..... }  
day of ..... , 190 }



WE, ..... and .....  
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey

, Moundman

, Moundman

Subscribed and sworn to before me this ..... }  
day of ..... , 190 }



WE, ..... and .....  
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

, Axman

, Axman

Subscribed and sworn to before me this ..... }  
day of ..... , 190 }



I, ..... do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of .....

, Flagman

Subscribed and sworn to before me this ..... }  
day of ..... , 190 }



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## INDEX DIAGRAM.

Township H S., Range 8 N.

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269	30 348	20 339	28 329	27 319	26 319	25 309
267	31 346	32 337	33 328	34 318	35 308	36 308
	256	254	253	252	251	250

Meanders Page.....

**PRELIMINARY OATHS OF ASSISTANTS.**

WE, \_\_\_\_\_ and \_\_\_\_\_  
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the  
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we will report the true distances to all notable objects, and the true lengths of all lines that we assist  
measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey

, Chainman

, Chainman

Subscribed and sworn to before me this \_\_\_\_\_  
day of \_\_\_\_\_, 190 \_\_\_\_\_ }



WE, \_\_\_\_\_ and \_\_\_\_\_  
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment  
of corners, according to the instructions given us, to the best of our skill and ability, in the survey

, Moundman

, Moundman

Subscribed and sworn to before me this \_\_\_\_\_  
day of \_\_\_\_\_, 190 \_\_\_\_\_ }



WE, \_\_\_\_\_ and \_\_\_\_\_  
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners  
and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

, Axman

, Axman

Subscribed and sworn to before me this \_\_\_\_\_  
day of \_\_\_\_\_, 190 \_\_\_\_\_ }



I, \_\_\_\_\_, do solemnly swear that I will well and truly  
perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the  
survey of \_\_\_\_\_

, Flagman

Subscribed and sworn to before me this \_\_\_\_\_  
day of \_\_\_\_\_, 190 \_\_\_\_\_ }



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Township 3 S., Range 8 W.

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278 18 485	486 17 485	475 16 474	468 15 467	459 14 458	451 13 450
277 19 483	484 20 483	474 21 473	466 22 465	457 23 456	449 24 449
276 30 481	482 29 480	472 28 472	464 27 463	456 26 455	448 25 447
275 31 479	479 32 471	471 33 462	462 34 454	446 35 446	446 36

Meanders Page.....

## PRELIMINARY OATHS OF ASSISTANTS.

WE, ..... and .....  
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of .....

, Chainman

, Chainman

Subscribed and sworn to before me this ..... }  
day of ..... , 190 }  


WE, ..... and .....  
do solemnly swear that we will well and truly perform the duties of moudmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of .....

, Moundman

, Moundman

Subscribed and sworn to before me this ..... }  
day of ..... , 190 }  


WE, ..... and .....  
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corner and other duties, according to instructions given us, to the best of our skill and ability, in the survey of .....

, Axman

, Axman

Subscribed and sworn to before me this ..... }  
day of ..... , 190 }  


I, ..... do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of .....

, Flagman

Subscribed and sworn to before me this ..... }  
day of ..... , 190 }  


## INDEX DIAGRAM.

Township	2 S.	Range	8 W.				
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	548	547	535	526	517	509	
286	547	534	525	517	509	508	
	546	545	534	525	516	508	
285	544	533	524	516	507	506	
	543	542	532	523	515	506	
284	542	531	522	514	506	505	
	565		523	515	506	505	
283	539	530	521	513	504	503	
	562	530	521	513	504	503	
	538	529	520	512	503		
282	537	528	519	511	502	501	
	539		519	511	502	501	

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PRELIMINARY OATHS OF ASSISTANTS.

WE, \_\_\_\_\_ and \_\_\_\_\_  
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the  
chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we  
will report the true distances to all notable objects, and the true lengths of all lines that we assist  
measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey

, Chainman

, Chainman

Subscribed and sworn to before me this \_\_\_\_\_  
day of \_\_\_\_\_, 190 \_\_\_\_\_ }



WE, \_\_\_\_\_ and \_\_\_\_\_  
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment  
of corners, according to the instructions given us, to the best of our skill and ability, in the survey

, Moundman

, Moundman

Subscribed and sworn to before me this \_\_\_\_\_  
day of \_\_\_\_\_, 190 \_\_\_\_\_ }



WE, \_\_\_\_\_ and \_\_\_\_\_  
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners  
and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

, Axman

, Axman

Subscribed and sworn to before me this \_\_\_\_\_  
day of \_\_\_\_\_, 190 \_\_\_\_\_ }



I, \_\_\_\_\_, do solemnly swear that I will well and truly  
perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the  
survey of \_\_\_\_\_

, Flagman

Subscribed and sworn to before me this \_\_\_\_\_  
day of \_\_\_\_\_, 190 \_\_\_\_\_ }



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Township 1 S., Range 8 W.

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622		622		609		600		591		582		
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292	19	618	20	607	21	598	22	588	23	579	24	432
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290	30	615	29	605	28	596	27	587	26	577	25	431
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289	31	613	32	604	33	594	34	585	35	575	36	430

Meanders Page.....

## PRELIMINARY OATHS OF ASSISTANTS.

WE, ..... and .....  
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; we will report the true distances to all notable objects, and the true lengths of all lines that we receive measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey

, Chainmen

, Chainmen

Subscribed and sworn to before me this ..... }  
day of ..... , 190 } , 190



WE, ..... and .....  
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey

, Moundmen

, Moundmen

Subscribed and sworn to before me this ..... }  
day of ..... , 190 }



WE, ..... and .....  
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corner and other duties, according to instructions given us, to the best of our skill and ability, in the survey o

, Axmen

, Axmen

Subscribed and sworn to before me this ..... }  
day of ..... , 190 }



I, ..... do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of .....

, Flagman.

Subscribed and sworn to before me this ..... }  
day of ..... , 190 }



BOOK A-312

"D.V."

FILED

SEP 30 1904

W.H.P.  
M.J.H.

## FIELD NOTES

OF THE SURVEY OF THE

U\_I\_N\_T\_A\_H\_S\_P\_E\_C\_I\_A\_L\_B\_A\_S\_E\_L\_I\_N\_ET\_H\_R\_O\_U\_G\_HR\_A\_N\_G\_E\_N\_0. 11\_W\_E\_S\_TOf the U\_I\_N\_T\_A\_H\_S\_P\_E\_C\_I\_A\_L\_B\_A\_S\_E AND M\_e\_r\_i\_d\_i\_a\_n,U\_T\_A\_H

AS SURVEYED BY

John W. Hickim, United States Deputy Surveyor,

under his Contract No. 277, dated July 23, 1903.

Survey commenced September 25, 1903.

Survey completed October 18, 1903.

5-57-62 ✓  
3-17-77 ✓

## BOOK A-312

## NAMES AND DUTIES OF ASSISTANTS.

George Russell Chainman.

William A. Wall Chainman.

Ray Streeper Chainman.

Lyman Haymond Chainman.

John Streeper Moundman.

Henry W. Curtis Axman.

James S. Houtz Flagman.

For preliminary affidavits see book "A" T.1 N.R.10 W.

BOOK A-312

INDEX DIAGRAM:

*Township 1 North, Range 11 West*

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30	29	28	27	26	25
31	32	33	34	35	36
8	7	6	4	2	1

*Meanders Page*

## PRELIMINARY OATHS OF ASSISTANTS.

WE, \_\_\_\_\_ and \_\_\_\_\_  
 do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of \_\_\_\_\_

\_\_\_\_\_, Chainman.

\_\_\_\_\_, Chainman.

Subscribed and sworn to before me this \_\_\_\_\_  
 day of \_\_\_\_\_, 1900      }



WE, \_\_\_\_\_ and \_\_\_\_\_  
 do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of \_\_\_\_\_

\_\_\_\_\_, Moundman.

\_\_\_\_\_, Moundman.

Subscribed and sworn to before me this \_\_\_\_\_  
 day of \_\_\_\_\_, 1900      }



WE, \_\_\_\_\_ and \_\_\_\_\_  
 do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of \_\_\_\_\_

\_\_\_\_\_, Axman.

\_\_\_\_\_, Axman.

Subscribed and sworn to before me this \_\_\_\_\_  
 day of \_\_\_\_\_, 1900      }



I, \_\_\_\_\_, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of \_\_\_\_\_

\_\_\_\_\_, Flagman.

Subscribed and sworn to before me this \_\_\_\_\_  
 day of \_\_\_\_\_, 1900      }



UINTAH SPECIAL BASE LINE THROUGH RIVER IN U.S.C.

Chains.

Survey commenced September 23, 1903, and executed with the instrument described in Book A of this survey.

At a point 2.83 ft. S. of the standard cor. of Tp. 1 N.; Rs. 10 and 11 W., heretofore described, lat.  $40^{\circ}26'20''$  N., long.  $111^{\circ}05'41''$  W. at 7 h. 20 m. p.m. by my watch which is 3 minutes slow of local mean time I observe Polaris at eastern elongation in accordance with instructions in the Manual and mark the line thus determined by a tack driven in a wooden peg set in the ground 6 chs. N. of my station.

September 23, 1903.

September 24, 1903 at 7 h. 0 m. a.m. l.m.t. I lay off the azimuth of Polaris  $1^{\circ}35.4'$  to the west and mark the true meridian thus determined by cutting a mark on a stone in place west of the point established last night; the magnetic bearing of said true meridian is N.  $16^{\circ}55'W.$ , which gives the magnetic declination  $16^{\circ}55'E.$ .

At this station (i.e. the point 2.83 ft. S. of the standard cor.) I turn off from the meridian an angle of  $89^{\circ}57'45''$  toward the west and run

N.  $89^{\circ}58'W.$  on the secant S. of sec. 36

Over mountainous land; descending through heavy aspen timber.

8.00 Leave aspen timber bears N. and S.

15.00 Draw 30 ft. deep, spring branch 2 lks. wide, 1 in. deep, course N.  $30^{\circ}W.$ ; ascend.

22.00 Enter pine and aspen timber bears N.  $25^{\circ}W.$  and S.  $25^{\circ}E.$

25.00 Top of spur 60 ft. high projects N.; descend

34.00 Draw 40 ft. deep, course N.; ascend.

Difference between measurements of 40.00 chs. by two sets of chainmen is 4 lks.; position of mile point

By 1st set  $\approx 9.98$  chs.

By 2nd set 40.02 chs., the mean of which is

40.00 N. 1.37 ft. from the secant

## WINTAH SPECIAL FAIR LINE THROUGH RANGE 11 WEST.

Chains	Set a sandstone 20x12x4 ins.15 ins.in the ground,for standard $\frac{1}{4}$ sec.cor.,marked S C $\frac{1}{4}$ on the N.face;from which a pine 8 ins.diam.bears N.47°W.180 lks.dist. marked S C $\frac{1}{4}$ S 36 B T
	No other bearing trees within limits;raise a mound of stone 2 ft.base 1 $\frac{1}{2}$ ft.high N.of cor.Pits impracticable.
44.06	Spur 60 ft.high projects N.W.3°W.;descend.
50.00	Leave pine and enter thick aspen timber and dense undergrowth bears N.30°W. and S.30°E.
55.00	Draw 60 ft.deep, course N.;ascend. Difference between measurements of 80.00 chs. by two sets of chainmen is 12 lks.;position of middle point By 1st set 80.06 chs.
80.00	By 2nd set 78.94 chs., the mean of which is Set a sandstone 20x12x7 ins.15 ins.in the ground,for standard corner of secs.35 and 36,marked S C on N.face, with 1 groove on E. and 5 grooves on W.faces;from which An aspen tree 5 ins.diam.bears N.48°W.37 lks.dist. marked T 1 N R 11 W S 35 B T An aspen tree 7 ins.diam.bears N.65°E.48 lks.dist. marked T 1 N R 11 W S 36 B T Land mountainous. Soil sandy and stony;2nd and 4th rate. Timber pine and aspen. Heavy timber or dense undergrowth 38.00 chs. Mountainous land 80.00 chs.
3.00	N.89°52'W.on the secant through sec.35 Ascending through thick pine and aspen timber and dense undergrowth.
10.00	Leave heavy timber and dense undergrowth and enter fallen timber and scattering pine and aspen timber bears N. and S.
18.00	Top of spur 100 ft.high bears N.5°E.;descend.

## UTNPAH SPECTAL BASIC LINE THROUGH RANGE 11 WEST

- Chains  
15.00 Enter heavy pine and aspen timber and dense undergrowth bears N. and S.
- 26.00 Draw 80 ft. deep, spring branch in bottom 2 lks. wide, 1 ins. deep, course N.; ascend.
- 36.00 Top of spur 40 ft. high bears N. 35° W.; descend.  
Difference between measurements of 40.00 chs. by two sets of chainmen is 6 lks.; position of middle point  
By 1st set 40.03 chs.  
By 2nd set 39.97 chs., the mean of which is
- 40.00 ✓ S.1.00 ft. from the secant  
Set a sandstone 18x12x6 ins. 12 ins. in the ground, for standard  $\frac{1}{4}$  sec. cor., marked S C  $\frac{1}{4}$  on N. face; from which An aspen 8 ins. diam. bears N. 41° E. 21 lks. dist.  
marked S C  $\frac{1}{4}$  S 35 B T  
No other bearing trees within limits; raise a mound of stone 2 ft. base 1 $\frac{1}{2}$  ft. high N. of corner.  
Pits impracticable.
- 74.00 Leave heavy pine timber bears N. and S.  
Difference between measurements of 80.00 chs. by two sets of chainmen is 8 lks.; position of middle point  
By 1st set 79.96 chs.  
By 2nd set 80.04 chs., the mean of which is
- 80.00 ✓ S.1.71 ft. from the secant  
Set a porphyry stone 20x12x5 ins. 15 ins. in the ground for standard cor. of secs. 34 and 35, marked S C on N. face with 2 grooves on E. and 4 grooves on W. faces; raise a mound of stone 2 ft. base 1 $\frac{1}{2}$  ft. high N. of corner.  
Pits impracticable.  
Land mountainous.  
Soil sandy and stony; 2nd and 4th rate.  
Timber pine and aspen.  
Mountainous land, heavily timbered or covered with dense undergrowth 80.00 chs.  
Note: I erect a signal S.1.71 ft. of this corner to be seen from the spur to the west.

## UINTAH SPECIAL BASE LINE THROUGH RANGE 11 WEST.

Chains	
	" N.29°59'W.on the secant through sec.34 Descending over mountainous land.
7.60	Left fork of West Fork of the DuChesne River,a clear mountain stream 15 lks.wide,8 ins.deep,bottom rocky, course N.30°E.;ascend.
9.00	Enter aspen timber and dense undergrowth bears N.30°E. and S.30°W.  Difference between measurements of 40.00 chs. by two sets of chainmen is 14 lks.;position of middle point  By 1st set 40.07 chs.
40.00	By 2nd set 39.93 chs.,the mean of which is S.2.13 ft.from the secant.  Set a sandstone 20x10x8 ins.15 ins.in the ground for standard $\frac{1}{4}$ sec.cor.,marked S C $\frac{1}{4}$ on N.face;from which  An aspen 10 ins.diam.bears N.5°E.25 lks.dist. marked S C $\frac{1}{4}$ S 34 B T  No other bearing trees within limits;raise a mound of stone 2 ft.tall $1\frac{1}{2}$ ft.high N.of corner. Pits impracticable.
46.00	Top of spur 80 ft.above the Left Fork of West Fork of DuChesne River bears N.40°E.  At this point the signal on the secant S.of the cor.of secs.34 and 35,is visible, and at 7 h. 16 m.p.m. by my watch,which is 3 minutes slow of l.m.t.I observe Polaris is at eastern elongation in accordance with instructions in the Manual and mark the line thus determined by a tac set in a wooden peg driven in the ground 5.00 chs. N.of my station,which is in latitude 40°26.3'N.,longitude 111 08.5'W.
	September 24,1903.
	September 25,1903,at 7 h.a.m.I lay off the azimuth of Polaris 1°35' to the west and mark the true meridian thus determined by a tack set in a peg driven in the ground west of the point established last night.

## UINTAH SPECIAL BASE LINE THROUGH RANGE 11 WEST.

Chains.

From the true meridian I turn to the signal and read the angle as follows:

$1.89^{\circ}59'30''$

$2.89^{\circ}59'45''$  by doubling  $179^{\circ}59'30''$

$3.89^{\circ}59'20''$  by tripling  $269^{\circ}58'00''$

Mean  $89^{\circ}59'31.6''$

The observed bearing is S. $89^{\circ}59'31.6''$  E.

The true bearing is S. $89^{\circ}59'39.0''$  E.

The difference  $0^{\circ}00'07.4''$  is the deviation of the secant S. from the true course. As the difference is probably less than the errors of observation, I continue the secant as marked on the ground.

47.00 Leave aspen and enter heavy pine timber bears N. and S.

55.50 Draw 30 ft. deep, bears N. $30^{\circ}$ E.; ascend.

68.00 Top of spur 40 ft. high bears N. $20^{\circ}$ E.

Descend.

77.50 Draw 35 ft. deep, course N. $10^{\circ}$ E.

Ascend.

Difference between measurements of 80.00 chs. by two sets of chainmen is 16 lbs.; position of middle point

By 1st set 79.92 chs.

By 2nd set 80.08 chs., the mean of which is

80.00 S.2.28 ft. from the secant

Set a sandstone 21x10x6 ins. 16 ins. in the ground, for standard cor. of secs. 33 and 34, marked S C on the N. face, with 3 grooves on the E. and W. faces; from which

A pine 10 ins. diam. bears N. $67^{\circ}$ E. 50 lks. dist.

marked T 1 N R 11 W S 34 B T

A pine 14 ins. diam. bears N. $32^{\circ}$ W. 15 lks. dist.

marked T 1 N R 11 W S 33 B T

Land mountainous.

Soil sandy and stony; 2nd and 4th rate.

Timber pine and aspen.

Mountainous land heavily timbered or covered with dense undergrowth 80.00 chs.

UINTAH SPECIAL BASE LINE THROUGH RANGE 11 WMST.

Chains	West on the secant through sec.33 Ascending through heavy pine timber.
4.00	Spur projects N.E.;descend.
9.00	Draw and spring branch 4 lks.wide 3 ins.deep,course N.E.
27.00	Spur 150 ft.high projects N.E. Thence over small spurs and draws. Difference between measurements of 40.00 chs.by two sets of chainmen is 4 lks.;position of middle point By 1st set 39.98 chs.
40.00	By 2nd set 40.02 chs.,the mean of which is S.2.13 ft.from the secant Set a sandstone 16x12x8 ins.11 ins.in the ground for standard $\frac{1}{4}$ sec.cor.,marked S C $\frac{1}{4}$ on the N.face;from which A pine 10 ins.diam.bears N.52°W.18 lks.dist. marked S C $\frac{1}{4}$ S 33, B T No other bearing trees within limits;raise a mound of stone 2 ft.base $1\frac{1}{2}$ ft.high N.of corner. Pits impracticable.
60.50	Draw and spring branch 2 lks.wide 2 ins.deep,course N.W. Ascend.
65.00	Leave heavy pine timber bears N.and S.; Spur projects N.E.
68.00	Draw and spring branch 3 lks.wide,2 ins.deep,course N.E.
70.00	Enter scattering aspen timber bears N.E.and S.W. Difference between measurements of 80.00 chs.by two sets of chainmen is 2 lks.;position of middle point By 1st set 80.01 chs.
80.00	By 2nd set 79.99 chs.,the mean of which is S.1.71 ft.from the secant Set a porphyry stone 18x10x10. ins.12 ins.in the ground for standard corner of secs.32 and 33,marked S C on N. face,with 4 grooves on E.and 2 grooves on W.faces;from which An aspen 5 ins.diam.bears N.3°E.296 lks.dist.

UINTAH SPECIAL BASE LINE THROUGH RANGE 11 WEST.

Chains

marked T 1 N R. 11 W S 35 B T

An aspen 5 ins. diam. bears N. 24° W. 87 lks. dist.

marked T 1 N R 11 W S 32 B T.

Land mountainous.

Soil sandy and stony; 2nd and 4th rate.

Timber pine and aspen.

Mountainous land 80.00 chs.

By 1st set 79.97 chs.

S. 89° 59' W. on the secant through sec. 32

Ascending through scattering aspen timber.

28.00

Spur 150 ft. high projects N. 60° E.

Enter live pine and aspen timber bears N. E. and S. W.

Difference between measurements of 40.00 chs. by two sets of chainmen is 4 lks.; position of middle point

By 1st set 39.98 chs.

By 2nd set 40.02 chs., the mean of which is

40.00

S. 1.00 ft. from the secant

Set a sandstone 17x8x8 ins. 12 ins. in the ground, for standard  $\frac{1}{4}$  sec. cor., marked S C  $\frac{1}{4}$  on N. face; from which

A pine 6 ins. diam. bears N. 36° E. 24 lks. dist.

marked S C  $\frac{1}{4}$  S. 32 B T.

No other bearing trees within limits; raise a mound of stone 2 ft. base  $1\frac{1}{2}$  ft. high N. of corner.

Pits impracticable.

45.00

Leave pine timber bears N. E. and S. W.

55.00

West Fork of DuCresne River, clear mountain stream, rocky bottom, 4 lks. wide, 5 ins. deep, course N. 80° E.

60.25

Wagon road from Heber City to Pine Corral bears N. 80° E. and S. 80° W.

65.50

Enter scattering pine and aspen timber.

78.00

Spur projects S.

Difference between measurements of 80.00 chs. by two sets of chainmen is 6 lks.; position of middle point

By 1st set 79.97 chs.

UINTAH SPECIAL BASE LINE THROUGH RANGERS

Chains.	By 2nd set .80.03 chs., the mean of which is
80.00	Set a sandstone 20x10x8 ins.15 ins.in the ground,for standard cor.-f secs.31 and 32,marked S C on N.face,with 5 grooves on E.and 1 groove on W.face;from which An aspen 9 ins.diam.bears N.53°E.78 lks.dist. marked T 1 N R 11 W S 32 B T An aspen 8 ins.diam.bears N.28°W.90 lks.dist. marked T 1 N R 11 W S 31 B T Land mountainous. Soil sandy and stony;2nd and 4th rate. Timber pine and aspen. Mountainous land 80.00 chs. <u>West bdy of reservation not run,discontinue line for present.</u> Oct.18,1903. S.89°58'W.on the secant S.cf sec.31 Descending through pine and aspen timber.
2.20	Draw and spring branch 2 lks.wide,1 ins.deep,course S. Ascend. Difference between measurements of 40.00 chs.by two sets of chainmen is 3 lks.;position of middle point By 1st set 40.01½ chs. By 2nd set 39.98½ chs.,the mean of which is
40.00	N.1.27 ft.from the secant Set a porphyry stone 20x9x6 ins.15 ins.in the ground for standard ½ sec.cor.,marked S C ¼ on N.face;from which A pine 6 ins.diam.bears N.25 lks.dist. marked S C ½ S 31 B T No other bearing trees within limits;raise a mound of stone 3 ft.base 1½ ft.high N.of corner. Pits impracticable.
41.00	Leave pine and aspen timber bears N.and S.
54.60	N.1.25 ft.from the secant,on top of dividing ridge bear NE.and SW. Intersect West Boundary of the Uintah Indian Reservation,

## UINTAH SPECIAL BASE LINE THROUGH RANGE 11 WEST.

Chains.

Set a sandstone 19x12x6 ins.14 ins.in the ground for closing corner of the Uintah Special Base through T.1 N. R.11 W.;marked SC.CCUIR with 5 grooves on the E.;UFR on W. face; "from which":

An aspen 8 ins.diam.bears N. 7°W.140 lks.dist.marked.

T 1 N R 11 W S 31 B T

Raise a mound of stone 2 ft.bas e 1 $\frac{1}{2}$  ft.high E.of corner.

From this closing corner the 151st mile corner on the boundary as established by Deputies A.H.and F.M.Brown under their contract No.264 bears N.16°30'W.17.74 chs.  
Land mountainous.

Soil sandy and stony;3d and 4th rate.

Timber pine and aspen.

Mountainous land 54.60 chs.

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Sky overcast was unable to observe Polaris;also unable to see the signal erected at the cor.of secs.32 and 33 T.1 N.R.10 W.

October 18,1903.

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For general description see notes of subdivision  
of T.1 N.Rs.10 and 11 W.

*John Wm. Stine*  
U.S.Deputy Surveyor.

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## BOUNDARIES OF T.1 NORTH R.11 WEST.

Line Designated	True Bearing	Dist. chs.	Latitudes		Departures.	
			N. chs.	S. chs.	E. chs.	W. chs.
E.bdy.T.1 N.R.11 W.	South	186.58	.....	186.58	.....	.....
Uintah Special Base						
through R.11 W.	West	454.60	.....	.....	.....	454.60
	N.16°30'W.	17.74	17.01	.....	.....	5.04
	S.83°30'W.	11.00	.....	1.25	.....	10.93
	N.16°15'W.	19.30	18.53	.....	.....	5.40
	N.39°45'E.	24.00	18.45	.....	15.35	.....
	N.44°E.	25.70	18.48	.....	17.86	.....
	N.54°30'E.	25.00	14.52	.....	20.35	.....
	N.45°30'E.	27.10	18.99	.....	19.33	.....
	N.87°30'E.	18.90	.82	.....	18.89	.....
	N.44°45'E.	9.00	6.40	.....	6.33	.....
	N.55°E.	115.00	65.97	.....	94.20	.....
	S.32°E.	28.30	.....	24.00	15.00	.....
	N.70°E.	8.70	2.98	.....	8.18	.....
	N.25°45'E.	8.00	7.21	.....	3.47	.....
	N.56°E.	17.80	9.95	.....	14.75	.....
	N.76°E.	46.10	11.15	.....	44.73	.....
	N.64°45'E.	16.10	6.87	.....	14.56	.....
	N.45°30'E.	14.00	9.81	.....	9.99	.....
	S.84°45'E.	26.00	.....	2.38	25.89	.....
	S.78°E.	20.40	.....	4.24	19.95	.....
	S.56°E.	44.60	.....	24.94	36.98	.....
	N.41°17'E.	14.40	10.83	.....	9.49	.....
	S.89°07'E.	18.70	.....	.24	15.70	.....
	N.67°38'E.	18.20	6.92	.....	16.63	.....
	S.80°30'E.	28.50	.....	4.71	28.11	.....
	N.82°21'E.	20.30	2.69	.....	20.02	.....
	N.82°15'E.	2.18	0.29		2.16	
Convergency					0.22	
Totals			247.87	248.34	476.34	475.97
					247.87	475.97
Error in lat. and dep.			0.37	0.37		

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## FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

## LIST OF NAMES.

A list of the names of the individuals employed by John W. McKim,

, United States Deputy Surveyor, to assist in running, measuring, and

marking the lines and corners described in the foregoing field notes of the survey of Uintah

Special Base Line, through Ranges 10 and, 11 W. and 11 N.

showing the respective capacities in which they acted:

George Russell

Ray Steepler, Chainman.

William A. Wall

Lynnun Haymond, Chainman.

John Steepler

, Moundman.

Henry W. Curtis.

, Axman.

James S. Henry

, Flagman.

## FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted John W. McKim,

, United States Deputy Surveyor, in surveying all

those parts or portions of the Uintah Special Base Line, through Ranges 10 and

11 W.

of the Uintah

cial Base and

meridian, State of Utah

, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor

General for Utah.

George Russell

Ray Steepler

, Chainman.

William A. Wall

Lynnun Haymond, Chainman.

John Steepler

, Moundman.

Henry W. Curtis.

, Axman.

James S. Henry

, Flagman.

Subscribed and sworn to before me this 24<sup>th</sup>

day of



July 1884

John W. McKim  
U.S. Deputy Surveyor

## FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, John W. McKim, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Edward H. Anderson, United States Surveyor General for Utah, bearing date of the 22nd day of July, 1903, <sup>1903</sup>, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Utah, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of Uintah Special Base Line, through Ranges 10 and 11 W.

of the Uintah Special Base and meridian, in the State of Utah, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for Utah, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

*John W. McKim*  
United States Deputy Surveyor.

Subscribed by said John W. McKim, and sworn to before me  
this 26 day of September, 1903

*Arthur Davis*

SEAL  
ccccccc

Asst. Dist. Cen. (Cont'd) Par. County, Utah

## APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah December 2, 1904.

The foregoing field notes of the survey of the Uintah Special Base Line through Range No. 11 West of the Uintah Special Base and Meridian, Utah,

executed by John W. McKim  
under his contract No. 277, dated July 22, 1903, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

*Edward H. Anderson*  
United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in \_\_\_\_\_, has been correctly copied from the original notes on file in this office.

United States Surveyor General.

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*EX-162*  
SEP 30 1904

# FIELD NOTES

OF THE SURVEY OF THE

S\_U\_B\_D\_I\_V\_I\_S\_I\_O\_N

O\_F

T\_O\_W\_N\_S\_H\_I\_P N\_O. 1 N\_O\_R\_T\_H

R\_A\_N\_G\_E N\_O. 11 W\_E\_S\_T

Of the UINTAH SPECIAL BASIN AND Meridian,

U\_T\_A\_H

AS SURVEYED BY

John W. McKim, United States Deputy Surveyor,

Under his Contract No. 277, dated July 22, 1903.

Survey commenced October 11, 1903.

Survey completed October 18, 1903.

*19-20-72 ✓  
1-17-5 ✓*

**NAMES AND DUTIES OF ASSISTANTS.**

Ray Streeper Chairman.  
Lyman Haymond Chairman.  
John Streeper Moundman.  
Henry W. Curtis Axman.  
George Russell Axman.  
James S. Houtz Flagman.

For preliminary affidavits see book "C" T.1 N.R.10 W.

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**Volume**

#

**R0312**

BOOK A-312

INDEX DIAGRAM.

*Township 1 North, Range 11 West*

6	5	4	3	2	1		
7	8	9	10	11	12		
18	17	16	15	14	13		
10	20	21	12	22	8	23	4
		13	12		8		4
30	19	29	16	28	11	27	7
		18	15		10	6	2
31	17	32	15	33	9	34	5
						35	1
							36

*Meanders Page*

## PRELIMINARY OATHS OF ASSISTANTS.

WE, \_\_\_\_\_ and \_\_\_\_\_

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of \_\_\_\_\_

\_\_\_\_\_, Chainman.

\_\_\_\_\_, Chainman.

Subscribed and sworn to before me this \_\_\_\_\_  
day of \_\_\_\_\_, 190      }



WE, \_\_\_\_\_ and \_\_\_\_\_

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of \_\_\_\_\_

\_\_\_\_\_, Moundman.

\_\_\_\_\_, Moundman.

Subscribed and sworn to before me this \_\_\_\_\_  
day of \_\_\_\_\_, 190      }



WE, \_\_\_\_\_ and \_\_\_\_\_

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of \_\_\_\_\_

\_\_\_\_\_, Axman.

\_\_\_\_\_, Axman.

Subscribed and sworn to before me this \_\_\_\_\_  
day of \_\_\_\_\_, 190      }



I, \_\_\_\_\_, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of \_\_\_\_\_

\_\_\_\_\_, Flagman.

Subscribed and sworn to before me this \_\_\_\_\_  
day of \_\_\_\_\_, 190      }



## SUBDIVISION OF T 1 N R 11 W

Chains.

Survey commenced October 11, 1903, and executed with a C.L. Berger and Sons mining transit, for description of which see book "A" of this survey.

I examine the adjustments of the transit and correct the level and collimation errors.

I begin at the standard cor. of secs. 35 and 36 on the Uintah Special Base line, heretofore described, latitude  $40^{\circ}26'N.$ ; long.  $111^{\circ}07'W.$ , and at 6 h.  $06^{\prime}$  m.l.m.t. I observe Pol. at western elong. and mark the direction thus determined by a cross on a rock in place 5.46 chs. N. of my station.

At 7 h. 30 m.l.m.t. I lay off the azimuth of Polaris  $1^{\circ}35'$  to the east and mark the true meridian thus determined by a cross cut in a stone in place east of the point established this a.m. The magnetic bearing of this meridian is  $N.16^{\circ}55'W.$  and the declination  $16^{\circ}55'E.$

Thence I run

$11.0^{\circ}01'W.$  het. secs. 35 and 36

Descending through aspen and scattering pine timber.

15.00 Leave aspen and pine timber bears N.E. and S.W.

16.50 Draw 30 ft. deep, course N.E.; ascend.

23.00 Spur projects N.E.; descend.

28.00 Enter heavy aspen and pine timber bears E. and W.

33.00 Leave aspen and continue in pine timber bears E. and W.

40.00 Set a porphyry stone 17x9x6 ins. 11 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on W. face; from which

A pine 10 ins. diam. bears  $N.79^{\circ}E.$  50 lks. dist.

marked  $\frac{1}{4}$  S 36 B T

A pine 6 ins. diam. bears  $N.84^{\circ}W.$  30 lks. dist.

marked  $\frac{1}{4}$  S 35 B T

46.00 Leave pine timber bears E. and W.

59.50 West Fork of Duchesne River 20 lks. wide, 12 ins. deep, course E.; ascend.

66.00 Wagon road from Heber City to Pine Corral; also Indian trail Heber City to White Rock Indian Agency, bears E. and

## SURDIVISION OF T.1 NORTH R.11 WEST.

Chains.	W.
89.00	Set a porphyry stone 21x9x7 ins.16 ins.in the ground for corner of secs.25,26,35, and 36,marked with 1 notch on S.and E.edges;and raise a mound of stone 2 ft.base $1\frac{1}{2}$ ft.high W.of corner.Pits impracticable. Land mountainous. Soil sandy and stony:3rd and 4th rate. Timber pine and aspen. Mountainous land 80.00 chs.
40.00	East on a random line betsecs.25 and 36 Set temp. $\frac{1}{4}$ sec.cor.
79.90	Intersect E.bdy.of Tp.7 lks.S.of the cor.of secs.25,30, 31 and 36,heretofore described.Thence I run $S.89^{\circ}57'W.$ on a true line betsecs.25 and 36 Ascending through aspen timber.
10.00	Top of spur bears N.W.;descend.
31.00	West Fork of DuChesne River 25 lks.wide,6 ins. deep,course N.E.;ascend.
36.20	Indian trail Heber City to White Rock Indian Agency. bears N.E.and S.W.
37.00	Pine Corral bears South, 6.00 chs.
39.95	Set a sandstone 20x10x3 ins.15 ins.in the ground for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;from which A pine 5 ins.diam.bears S. $24^{\circ}E.$ 37 lks.dist. marked $\frac{1}{4}$ S 36 B T
	A pine 5 ins.diam.bears N. $45^{\circ}W.$ 68 lks.dist. marked $\frac{1}{4}$ S 25 B T
42.00	Enter scattering pine timber bears N.W.and S.E. Leave pine timber bears N.E.and S.W. Ascend abruptly.
70.00	Leave aspen timber bears N.and S.
74.00	Drew course S.;ascend.
79.90	The cor.of secs.25,26,35, and 36. Land mountainous. Soil sandy and stony:3rd and 4th rate.

SUBDIVISION OF T.1 N.R.11 W.

Chains.

Timber pine and aspen.

Mountainous land 79.90 chs.

N.0°01'W bet. secs. 25 and 26

Ascending over E.slope of spur.

8.00 Enter aspen timber bears E.and W.

17. 00 Leave timber bears N.5°E.and W.

27.00 Top of spur projects S.5°W.

Thence ascend along W.side of top of spur.

40.00 Set a limestone 18x6x6 ins.13 ins.in the ground for  $\frac{1}{2}$  sec.cor.,marked  $\frac{1}{4}$  on W.face;and raise a mound of stone 2 ft.base  $1\frac{1}{2}$  ft.high W.of cor.

Pits impracticable.

53.00 Head of draw,course S.10°W..

58.00 Enter aspen timber bears S.W.and N.E.

72.00 Leave aspen and enter heavy pine timber bears N.E.and S.W.

78.00 Main spur 100 ft.high bears S.E.;descend.

80.00 Set a sandstone 16x10x8 ins.11 ins.in the ground for cor.of secs.23,24,25, and 26,marked with 2 notches on S. and 1 notch on E.edge;from which

A pine 8 ins.diam.bears N.32°E.31 lks.dist.

marked T 1 N R 11 W S 24 B T

A pine 6 ins.diam.bears S.53°E.57 lks.dist.

marked T 1 N R 11 W S 25 B T

A pine 5 ins.diam.bears S.60°W.14 lks.dist.

marked T 1 N R 11 W S 26 B T

A pine 5 ins.diam.bears N.72°W.25 lks.dist.

marked T 1 N R 11 W S 23 B T

Land mountainous.

Soil sandy and stony 3rd and 4th rate.

Timber aspen and pine.

Mountainous land 80.00 chs.

October 11,1903.

Very slender and broken up.

SUBDIVISION OF T.1 N.R.11 W.

Chains	
	Oct.12,1903.
	N. $89^{\circ}57'$ E.on a random line bet.secs.24 and 25
40.00	Set temp. $\frac{1}{4}$ sec.cor.
80.12	Intersect E.bdy.of Tp.8 1ks.S.of the cor.of secs.19,24 25 and 30 heretofore described; thence I run 'S. $89^{\circ}54'$ W.on a true line bet.secs.24 and 25 Ascending through aspen timber.
1.00	Top of spur projects S.E.; descend.
24.00	Leave scattering aspen and pine timber bears N.W.and S.E
30.00	Bottom of draw; spring branch 2' 1ks.wide 1 ins.deep, course S.E.; ascend.
40.06	Set a sandstone 16x12x4 ins.11 ins.in the ground for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N.face; and raise a mound of stone 2 ft.base 1 $\frac{1}{2}$ ft.high N.of cor. Pits impracticable.
50.00	Enter heavy pine timber bears N.and S.
55.00	Top of spur projects N.E.; descend.
58.00	Draw drains N.E.; ascend.
80.12	The cor.of secs.23,24,25, and 26. Land mountainous. Soil sandy and stony; 3rd and 4th rate. Timber pine and aspen. Mountainous land 80.12 chs.

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	N. $0^{\circ}01'$ W.bet.secs.23 and 24
	Ascending through pine timber.
4.00	Small spring on line.
15.00	Leave pine timber bears N.W.and S.E.
16.00	Head of draw course S.E.
21.60	Top of dividing ridge bears N.E.and S.W. Intersect west bdy.of Uintah Indian Reservation, Set a sandstone 18x8x6 ins.12 ins.in the ground for closing cor.for secs.23 and 24, marked C C U I R with 3 grooves on S., 1 groove on E. and U F R on N.face, and

SUBDIVISION OF T.1 N.R.11 W.

Chains.

raise a mound of stone 3 ft. base 1 $\frac{1}{2}$  ft. high S.of cor.

Pits impracticable.

From this closing corner the  $\frac{1}{2}$  mile corner between mile posts Nos.157 and 158 on the boundary,as established by Deputies A.H.and F.M.Brown under their contract No.264 bears S.89°07'E.12 lks.

Land mountainous.

Soil rocky 4th rate.

Timber pine 15.00 chs.

Mountainous or heavily timbered land 21.60 chs.

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From the standard corner of secs.34 and 35 on S.bdy.of township,heretofore described I run

N.0°02'W.betsecs.34 and 35

Descending over mountainous land.

- 2.00 Bottom of Left Fork of West Fork of DuChesne River 15 lks.wide,10 ins.deep,clear water,rocky bottom,course N. 80°E.;ascend.
- 20.00 Enter scattering aspen timber bears N.E. and S.W.
- 34.00 Top of spur 80 ft.high projects NE.;descend.
- 40.00 Set a porphyry stone 16x10x6 ins.11 ins.in the ground for  $\frac{1}{2}$  sec.cor.,marked  $\frac{1}{2}$  on W.face;from which  
An aspen 4 ins.diam.bears N.50°W.35 l's.dist.  
marked  $\frac{1}{4}$  S 34 B T
- An aspen 3 ins.diam.bears S.70°E.11 lks.dist.  
marked  $\frac{1}{4}$  S 35 B T
- 71.00 Right Fork of West Fork of DuChesne River 15 lks.wide, 8 ins.deep,water clear,bottom rocky,course E.  
Ascend.
- 77.25 Wagon road Heber City to Pine Corral,bears E. and W.
- 80.00 Set a porphyry stone 18x12x8 ins.12 ins.in the ground for cor.of secs.26,27,34, and 35,marked with 1 notch on S. and 2 notches on E.edge;from which  
An aspen 10 ins.diam.bears N.69°E.62 lks.dist.

SUBDIVISION OF T 1 NORTH R. 11 WEST.

Chains

marked T 1 N R 11 W S 26 B T

An aspen 5 ins. diam. bears S. 2° E. 159 lks. dist.

marked T 1 N R 11 W S 35 B T

An aspen 6 ins. diam. bears S. 7° W. 122 lks. dist.

marked T 1 N R 11 W S 34 B T

An aspen 9 ins. diam. bears N. 27° W. 50 lks. dist.

marked T 1 N R 11 W S 27 B T

Land mountainous.

Soil sandy and rocky; 3rd and 4th rate.

Timber aspen.

Mountainous land 80.00 chs.

October 12, 1903.

East on a random line bet. secs. 26 and 35

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

80.03 Intersect N. and S. line 7 1 s. of the cor. of secs. 25, 26,  
35 and 36; thence I run

N. 89° 57' W. on a true line bet. secs. 26 and 35

Ascending over mountainous land.

7.00 Spur projects S.; descend.

15.00 Enter aspen timber and dense undergrowth bears N.E. and  
S.W.

35.00 Draw course S.; ascend.

30.00 Spur projects S.; descend.

40.01 Set a sandstone 16x8x6 ins. 11 ins. in the ground for  $\frac{1}{4}$   
sec. cor., marked  $\frac{1}{4}$  on N. face; from which

An aspen 7 ins. diam. bears N. 16 lks. dist.

marked  $\frac{1}{4}$  S 26 B T

An aspen 6 ins. diam. bears S. 31° E. 85 lks. dist.

marked  $\frac{1}{4}$  S 35 B T

43.00 Draw and creek, 3 links wide, 4 inches no. deep, course S.E.  
Ascend.

80.03 The cor. of secs. 26, 27, 34 and 35.

Land mountainous.

SUBDIVISION OF T.1 N.R.11 W.

Chains. Soil sandy and stony; 3rd rate.

Timber aspen.

Mountainous land 80.03 chs.

N.0°02'W.bet.secs.26 and 27

Ascending abruptly through heavy aspen timber and dense undergrowth.

6.00 Point of spur projects S.; ascend along top of spur.

40.00 Set a porphyry stone 15x8x6 ins. 10 ins. in the ground for  $\frac{1}{4}$  sec.cor., marked  $\frac{1}{4}$  on W.face; from which

An aspen 8 ins. diam. bears S.40°E.25 lks.dist.

marked  $\frac{1}{4}$  S.26 B T

An aspen 10 ins. diam. bears S.50°W.36 lks.dist.

marked  $\frac{1}{4}$  S.27 B T

56.00 Enter scattering pine among the aspen timber.

70.00 Leave top of spur; thence along E. slope.

80.00 Set a sandstone 25x12x7 ins. 19 ins. in the ground for cor.of secs.22,23,26, and 27, marked with 2 notches on S. and E.edges; from which

A pine 14 ins. diam. bears N.16°E.130 lks.dist.

marked T 1 N R 11 W S 23 B T

A pine 6 ins. diam. bears S.41°E.33 lks.dist.

marked T 1 N R 11 W S 26 B T

An aspen 7 ins. diam. bears S.74°W.374 lks.dist.

marked T 1 N R 11 W S 27 B T

An aspen 5 ins. diam. bears N.39°W.90 lks.dist.

marked T 1 N R 11 W S 22 B T

Land mountainous.

Soil sandy and stony; 3rd and 4th rate.

Timber aspen and pine.

Mountainous land, heavily timbered or covered with dense undergrowth 80.00 chs.

S.89°57'E.on a random line bet.secs.23 and 26

SUBDIVISION OF T.1 N.R.11 W.

Chains. 40.00 Set temp.  $\frac{1}{4}$  sec.cor.  
80.06 Intersect N.and S.line 3 lks.S.of the cor.of secs.22,  
23,25, and 27; thence I run  
N.89°58'W.on a true line bet.secs.23 and 26  
Ascending through pine timber.  
2.00 Leave pine timber bears N.W. and S.E.  
3.00 Top of ridge bears NW. and SE.; descend.  
18.00 Enter pine timber bears N. and S.  
Bottom of draw, course S.; ascend.  
32.00 Spur projects S.; descend.  
40.05 Set a porphyry stone 15x8x3 ins.10 ins.in the ground  
for  $\frac{1}{4}$  sec.cor., marked  $\frac{1}{4}$  on N.face; and raise a mound of  
stone 2 ft.base 1 $\frac{1}{2}$  ft.high N.of cor.  
Pits impracticable.  
45.00 Enter fallen timber.  
64.50 Ravine, and creek 3 lks.wide 2 ins.deep, course S.  
Ascend.  
75.00 Enter pine and aspen timber bears N. and S.  
80.06 The cor.of secs.22,25,26, and 27.  
Land mountainous.  
Soil sandy and stony; 3rd and 4th rate.  
Timber pine and aspen.  
Mountainous land 80.06 chs.

N.0°02'W.bet.secs.22 and 23  
Descending through pine timber.  
17.00 Draw course S.E.;ascend.  
25.00 Spur projects S.E.;descend.  
Leave pine timber bears N.W. and S.E.  
30.00 Draw course S.E.;ascend.  
40.00 Set a porphyry stone 17x9x7 ins.12 ins.in the ground fo  
 $\frac{1}{4}$  sec:cor., marked  $\frac{1}{4}$  on W.face; and raise a mound of stone  
2 ft.base 1 $\frac{1}{2}$  ft.high W.of cor.  
Pits impracticable.

SUBDIVISION OF T.1 N.R.11 W.

Chains.

41.10

Top of dividing ridge bears E. and W.

Intersect the West. boundary of Uintah Indian Reservation,

Set a porphyry stone 18x12x5 ins.12 ins.in the ground for closing cor.of secs.22 and 23,marked C C U I R with 3 grooves on S.,2 grooves on E.and U F R on N.faces;and raise a mound of stone 2 ft.base  $1\frac{1}{2}$  ft.High S.of cor.  
Pits impracticable.

From this closing corner the  $\frac{1}{2}$  mile corner between  
mile posts Nos.156 and 157 on the boundary,as established  
by Deputies A.H.and F.M.Brown under their contract No.  
264,bears S.84°45'E.13.20 chs.dist.

Land mountainous.

Soil rocky;4th rate.

Timber pine.

Mountainous or heavily timbered land 41.10 chs.

October 13,1903.

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October 14,1903.

From the cor.of secs.33 and 34 on the S.bdy.of the town-  
ship,heretofore described,I run

W.0°02'W.betsecs.33 and 34

Descending along S.E.slope,through heavy pine timber.

11.00

Top of spur projects N.E.;descend.

18.00

Draw and creek 4 lks.wide 3 ins.deep,course N.E.

Ascend through pine;enter aspen timber bears N.E.and SW.

37.00

Top of spur projects N.E.;descend.

40.00

Set a sandstone 18x12x6 ins.12 ins.in the ground for  $\frac{1}{4}$   
sec.cor.,marked  $\frac{1}{4}$  on W.face;from which

An aspen 8 ins.diam.bears S.71°E.13 lks.dist.

marked  $\frac{1}{4}$  S 34 B T

An aspen 7 ins.diam.bears S.30°W.17 lks.dist.

marked  $\frac{1}{4}$  S 33 B T

45.00

Leave aspen timber bears N.E.and S.W.

## SUBDIVISION OF T.1 N.R.11 W.

	Chains	Top of spur projects N.E.;descend.
48.00		Draw course N.E.;ascend.
51.00		Spur projects N.E.;descend.
72.00		Leave pine timber bears E.and W.
72.75		West Fork of DuChesne River,12 lks.wide,6 ins.deep,rocky bottom,clear water,course E.
		Ascend.
78.35		Wagon road from Heber City to Pine Corral bears E.and W.
80.00		Set a porphyry stone 24x8x8 ins.18 ins.in the ground for cor.of secs.27,28,33, and 34,marked with 1 notch on S.and 3 notches on E.edge;from which
		An aspen 8 ins.diam.bears N.7°E.78 lks.dist.
		marked T 1 N R 11 W S 27 B T
		An aspen 6 ins.diam.bears N.72°W.20 lks.dist.
		marked T 1 N R 11 W S 28 B T
		No other bearing trees within limits;raise a mound of stone 3 ft.base 1½ ft.high W.of cor.
		Pits impracticable.
		Land mountainous.
		Soil sandy and rocky;3rd and 4th rate.
		Timber pine and aspen.
		Mountainous land 80.00 chs.
40.00		East on a random line betsecs.27 and 34
		Set temp. 1/4 sec.cor.
79.92		Intersect N.and S.line 3 lks.N.of the cor.of secs.26,27 34 and 35;thence I run
		W.89°58'W.on a true line betsecs.27 and 34
		Ascending through scattering aspen timber.
7.00		Spur projects S.;descend.
19.00		Draw and creek 4 lks.wide,course S.E.
		Ascend along S.slope.
30.00		Descend.
39.96		Set a sandstone 18x14x6 ins.12 ins.in the ground for 1/4

SUBDIVISION OF T.1 N.R.11 W.

Chains.

sec.cor.,marked  $\frac{1}{4}$  on N.face;from which

An aspen 6 ins.diam.bears N.67°W.25 lks.dist.

marked  $\frac{1}{4}$  S 27 B T

An aspen 8 ins.diam.bears S.77°W.68 lks.dist.

marked  $\frac{1}{4}$  S 34 B T

44.00 Creek 3 lks.wide,2 ins.deep,course S.E.;ascend.

79.92 The cor.of secs.27,28,33, and 34.

Land mountainous.

Soil sandy;3rd rate.

Timber aspen.

✓ Mountainous land 79.92 chs.

N.0°02'W.betsecs.27 and 28

Ascending over S.E.slope.

0.50 Enter aspen timber bears N.80°E.and S.80°W.;through dense undergrowth.

15.00 Leave aspen timber and dense undergrowth bears E.and W.

20.00 Spur projects S.E.;descend.

22.00 Enter aspen timber and dense undergrowth bears N.W. and S.E.

Draw and creek 4 lks.wide,2 ins.deep,course S.E.;ascend.

40.00 Set a porphyry stone 20x8x6 ins.15 ins.in the ground for  $\frac{1}{4}$  sec.cor.,marked  $\frac{1}{4}$  on W.face;from which

An aspen 8 ins.diam.bears N.40°E.50 lks.dist.

marked  $\frac{1}{4}$  S 27 B T

An aspen 7 ins.diam.bears N.50°W.115 lks.dist.

marked  $\frac{1}{4}$  S 28 B T

48.00 Spur projects S.E.;descend.

55.00 Leave timber bears E.and W.

63.00 Head of draw drains S.E.

80.00 Set a sandstone 19x10x6 ins.14 ins.in the ground for cor. of secs.21,22,27, and 28,marked with 2 notches on S.end and 3 notches on E.edge;and raise a mound of stone 2 ft.base  $1\frac{1}{2}$  ft.high W.of cor.Pits impracticable.

SUBDIVISION OF T.1 N.R.11 W.

Chains.

Land mountainous.

Soil sandy and stony 3rd and 4th rate.

Timber aspen.

Mountainous land 80.90 chs.

October 14, 1903.

October 15, 1903.

S.89°58' E.on a random line bet.secs.22 and 27

40.00 Set temp. $\frac{1}{4}$  sec.cor.

79.98 Intersect N.and S.line at the cor.of secs.22,23,26, and 27,  
Whence I run

N.89°58' W.on a true line bet.secs.22 and 27

Ascending through aspen and pine timber and dense undergrowth.

7.00 Top of spur projects S.;descend.

23.00 Draw and spring branch 2 lks.wide, course S.

Ascend.

35.00 Enter heavy pine timber bears N. and S.

36.00 Leave timber and undergrowth bears N. and S.

39.99 Set a sandstone 18x8x6 ins.12 ins.in the ground for  $\frac{1}{4}$   
sec.cor.,marked  $\frac{1}{4}$  on N.face;and raise a mound of stone  
2 ft.base 1 $\frac{1}{2}$  ft.high N.of cor.

Pits impracticable.

Top of spur projects S.;descend gradually.

79.98 The cor.of secs.21,22,27, and 28.

Land mountainous.

Soil sandy and stony;3rd and 4th rate.

Timber pine and aspen.

Mountainous land 79.98 chs.

N.0°2' W.bet.secs.21 and 22

Over mountainous land ;ascending

SUBDIVISION OF T.1 N.R.11 W.

Chains.

14.72

Top of dividing ridge bears N.E. and S.W.  
Intersect west boundary of the Uintah Indian Reservation,  
set a porphyry stone 15x8x4 ins.10 ins.in the ground  
for closing cor.for secs.21 and 22,marked C C U I R  
with 2 grooves on S.,3 grooves on E. and U F R on N.faces  
and raised a mound of stone 2 ft.base 1½ ft.high S.of  
corner.Pits impracticable.  
From this closing corner the 155th mile corner on the  
boundary,as established by Deputies A.H.and F.M.Brown  
under their contract No.264,bears as follows:  
S.76°W.2.27 chs.;thence  
S.56°W.17.80 chs.to mile post No.155.  
Land mountainous.  
Soil rocky 4th rate.  
No timber.  
Mountainous land 14.72 chs.

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Knowing that the north boundary of sec.28 will intersect  
the north boundary of the Uintah Indian Reservation I  
proceed to cor.of secs.21,22,27 and 28 and run

West on a true line betsecs.21 and 28  
over mountainous land;ascending through pine timber.

18.90

Top of dividing ridge bears N.E. and S.W.  
Intersect the W.Bdy.of the Uintah Indian Reservation,  
Set a porphyry stone 16x10x4 ins.11 ins.in the ground  
for closing corner of secs.21 and 28,marked C C U I R  
with 3 grooves on E.,2 grooves on S. and U F R on W.faces  
from which  
A pine 7 ins.diam.bears N.27°E.255 lks.dist.  
marked T 1 N R 11 W S 21 B T  
A pine 6 ins.diam.bears S.21°W.88 lks.dist.  
marked T 1 N R 11 W S 28 B T  
From the closing cor.the 155th mile post on the boundary

SUBDIVISION OF T.1 N.R.11 W.

- Chains as established by Deputies A.H. and F.M. Brown under their contract No.264, bears N. $25^{\circ}45' E.$  4.60. chs. Knowing that the line bet. secs. 21. and 28. will again intersect the boundary; I continue west on a blank line
- 30.00 Leave timber.
- 31.87 Top of dividing ridge bears N.W. and S.E. Intersect W.bdy. of Uintah Indian Reservation, Set a sandstone 18x10x8 ins. 12 ins. in the ground for closing cor. of secs. 21 and 28, marked C C U I R with 3 grooves on W., 2 grooves on S. and U F R on E. faces, and raise a mound of stone 2 ft. base  $1\frac{1}{2}$  ft. high W. of cor. From the closing corner the  $\frac{1}{2}$  mile corner between mile posts Nos. 154 and 155 on the boundary as established by Deputies A.H. and F.M. Brown under their contract No.264 bears N. $32^{\circ}W.$  16.22 chs.
- I continue my line west.
- Descend.
- 40.00 Set a sandstone 16x8x6 ins. 12 ins. in the ground for  $\frac{1}{2}$  sec.cor., marked  $\frac{1}{4}$  on N. face, and raise a mound of stone 2 ft. base  $1\frac{1}{2}$  ft. high N. of cor. Pits impracticable.
- 44.00 Wagon road bears N.E. and S.W.
- 47.00 Head of gulch drains south.
- Ascend.
- 68.82 Intersect W.boundary of the Uintah Indian Reservation, Set a sandstone 20x10x8 ins. 15 ins. in the ground for closing cor. of secs. 21 and 28, marked C C U I R with 4 grooves on E., 2 grooves on S. and U F R on W. faces; and raise a mound of stones 2 ft. base  $1\frac{1}{2}$  ft. high E. of cor. Pits impracticable.
- From the closing corner the 154th mile post on the boundary, as established by Deputies A.H. and F.M. Brown, under their contract No.264 bears S. $55^{\circ}W.$  3.62 chs. dist. Land mountainous.
- Soil rocky; 4th rate.
- Timber pine . . . . .
- Mountainous or heavily timbered land 55.85 chs.

SUBDIVISION OF T.1 N.R.11 W.

Chains

From the standard cor. of secs. 32 and 33 on the S.bdy. of the township, heretofore described, I run

N.0°03'W. bet. secs. 32 and 33

Ascending through scattering aspen timber.

9.00 Spur projects E.; descend.

15.00 Gulch drains N.E.

30.00 Gulch drains N.E.; ascend.

35.00 Spur projects N.E.; descend.

Descend. . . . . ; ascend.

40.00 Set a porphyry stone 20x12x8 ins. 15 ins. in the ground for  $\frac{1}{4}$  sec.cor., marked  $\frac{1}{4}$  on W. face; and raise a mound of stone 2 ft. base  $1\frac{1}{2}$  ft. high W. of cor.

54.00 Right fork of West Fork of DuChesne River, 6 lks.: wide, drains easterly; ascend.

60.00 Wagon road bears E. and W.

Ascend through scattering aspen timber.

80.00 Set a sandstone 18x8x6 ins. 12 ins. in the ground for cor. of secs. 28, 29, 32, and 33, marked with 1 notch on S. and 4 notches on E. edges; and raise a mound of stone 2 ft. base  $1\frac{1}{2}$  ft. high W. of cor. Pits impracticable.

Land mountainous.

Soil sandy and rocky; 3rd and 4th rate.

Timber aspen.

Mountainous land 80.00 chs.

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October 16, 1903.

East on a random line bet. secs. 28 and 33

40.00 Set temp.  $\frac{1}{4}$  sec.cor.

80.20 Intersect N. and S. line at the cor. of secs. 28, 29, 32, and 33; thence I run

\*West on a true line bet. secs. 28 and 33

Ascending.

SUBDIVISION OF T.1 N.R.31 W.

Chains	
1.00	Enter aspen timber bears N.80°E. and S.80°W.
7.00	Spur on S.slope projects S.;descend.
40.10	Set a porphyry stone 15x8x6 ins.10 ins.in the ground for $\frac{1}{2}$ sec.cor.,marked $\frac{1}{4}$ on N.face;from which An aspen 8 ins.diam.bears N.15°E.100 lks.dist. marked $\frac{1}{2}$ S 28 B T An aspen 10 ins.diam.bears S.76°E.145 lks.dist. marked $\frac{1}{4}$ S 33 B T
80.20	The cor.of secs.28,29,32, and 33. Land mountainous. Soil rocky;3rd and 4th rate. Timber pine and aspen. Mountainous or heavily timbered land 80.20 chs.

N.0°03'W.betsecs.28 and 29

10.00	Ascending over south slope.
11.00	Enter pine and aspen timber bears E.and W. Begin gradual descent.
15.00	Draw and spring branch 2 lgs.wide 2 ins.deep,course SW.
18.00	Ascend.
40.00	Leave pine and aspen timber bears E.and W. Spur projects S.W.;descend.
55.00	Set a sandstone 19x12x2 ins.14 ins.in the ground for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.face;and raise a mound of stone 2 ft.base 1 $\frac{1}{2}$ ft.high W.of cor. Pit impracticable.
64.40	Draw drains SW.;ascend.
72.17	Wagon road bears NE and SW. Top of dividing ridge bears WNW NE and SW. Intersect the west boundary of the Uintah Indian Reser- vation, Set a sandstone 20x10x8 ins.15 ins.in the ground for closing cor.for secs.28 and 29,marked CCUIR with 2 grooves on S..4 grooves on E.and UFR on W.faces;and rule

SUBDIVISION OF T.1 N.R.11 W.

Chains. raise a mound of stone 2 ft. base  $1\frac{1}{2}$  ft. high S.of cor.  
Pits impracticable.  
From this closing corner the 154th mile post on the  
boundary,as established by Deputies A.H.and F.M.Brown  
under their contract No.264,bears N.55°E.10.03 chs.  
Land mountainous.  
Soil rocky;4th rate.  
Timber pine and aspen.  
Mountainous land 72.17 chs.

Oct.16,1903.

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Oct.17,1903.

From the standard cor.of secs.31 and 32 on the S.bdy.  
of the township,heretofore described,I run  
N.0°04'W. bet.secs.31 and 32

Ascending through aspen timber and dense undergrowth.

- 7.50 Top of spur projects S.E.;descend.  
12.00 Draw course S.E.;ascend.  
Trail bears NE and SW.  
24.00 Spur projects SE.;descend.  
24.45 Erect a signal for observation from a point north to  
check my course.  
40.00 Set a sandstone 18x12x6 ins.12 ins.in the ground for  $\frac{1}{4}$   
sec.cor.,marked  $\frac{1}{4}$  on W.face;from which  
A pine 10 ins.diam.bears N.50°W.78 lks.dist.  
marked  $\frac{1}{4}$  S 31 B T  
A pine 10 ins.diam.bears S.45°E.53 lks.dist.  
marked  $\frac{1}{4}$  S 32 B T  
40.50 Enter heavy pine timber bears SE and NW.  
53.00 Leave heavy pine timber bears N.W. and SE.  
Enter heavy aspen timber, and scattering pine timber.  
54.00 Bottom of draw.anl  
Spring branch 3 lks.wide 2 ins.deep,course E.;ascend.  
80.00 Set a porphyry stone 18x12x8 ins.12 ins.in the ground  
for cor.of secs.29,30,31, and 32,marked with 1 notch on

SUBDIVISION OF T.1 N.R.11 W.

Chains

S. and 5 notches on E. edge; from which

An aspen 9 ins. diam. bears N. 57° E. 88 lks. dist.

marked T 1 N R 11 W S 29 B T

An aspen 10 ins. diam. bears S. 39° E. 135 lks. dist.

marked T 1 N R 11 W S 32 B T

An aspen 4 ins. diam. bears S. 34° W. 88 lks. dist.

marked T 1 N R 11 W S 31 B T

An aspen 9 ins. diam. bears N. 15° W. 50 lks. dist.

marked T 1 N R 11 W S 30 B T

Land mountainous.

Soil sandy and stony; 3rd and 4th rate.

Timber pine and aspen.

Mountainous land 80.00 chs.

---

East on a random line bet. secs. 29 and 32

40.00 Set temp.  $\frac{1}{2}$  sec. cor.

80.04 Intersect N. and S. line 4 lks. N. of the cor. of secs. 28, 29, 32 and 33; thence I run

N. 89° 58' W. on a true line bet. secs. 29 and 32

Descending over mountainous land.

13.00 Draw and spring branch 3 lks. wide, course S.  
Ascend.

28.00 Spur projects S.; descend.

38.00 Enter pine timber bears N.E. and S.W.

40.02 Set a sandstone 19x11x8 ins. 14 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{2}$  on N. face; from which

A pine 8 ins. diam. bears S. 40° W. 100 lks. dist.

marked  $\frac{1}{2}$  S 32 B T

A pine 6 ins. diam. bears N. 20° W. 14 lks. dist.

marked  $\frac{1}{2}$  S 29 B T

41.00 Leave pine timber bears NE. and SW.

43.00 Draw and spring branch 3 lks. wide, 1 ins. deep, course SW.  
Ascend.

50.00 Enter pine and aspen timber bears NE. and SW.

SUBDIVISION OF T.1 N.R.11 W.

Chains Spur projects south.  
Descend.  
72.00 Draw course S.; ascend.  
80.04 The cor. of secs. 29, 30, 31, and 32.  
Land mountainous.  
Soil sandy and stony; 3rd and 4th rate.  
Timber pine and aspen.  
Mountainous land 80.04 chs.

---

N.0°04'W.bet.secs.29 and 30

Ascend through aspen and scattering pine timber.  
9.00 Leave timber bears E. and W.  
25.01 Top of dividing ridge bears N. and SW  
Intersect the west boundary of the Uintah Indian Reservation,  
Set a porphyry stone 19x12x6. ins. 15 ins. in the ground  
for closing cor. for secs. 29 and 30, marked CCUIR with 2  
grooves on S., 5 grooves on E., and UFR on N. faces; and  
raise a mound of stone 2. ft. base 1 $\frac{1}{2}$  ft. high S. of cor.  
Pits impracticable.

From this closing corner the  $\frac{1}{2}$  mile cor. between mile posts Nos. 152 and 153 on the boundary as established by Deputies A.H. and F.M. Brown under their contract No. 264 bears as follows:

S.87°30'W. 2.50 chs.; thence  
S.45°30'W. 12.10 chs. to  $\frac{1}{2}$  mile cor. bet. mile posts  
Nos. 152 and 153.  
Land mountainous.  
Soil rocky; 4th rate.  
Timber pine and aspen.  
Mountainous land 25.01 chs.

---

SUBDIVISION OF T.1 N.R.11 W.

Chains

Knowing that the line between secs. 30 and 31 will intersect the W.bdy. of the Uintah Indian Reservation, I proceed to corner of secs. 29, 30, 31, and 32, and run

West on a true line bet. secs. 30 and 31  
Through aspen and scattering pine timber; ascending.

6.00

Leave timber bears NE and SW.

30.02

Top of dividing ridge bears NE and SW.

Intersect the west boundary of the Uintah Indian Reservation,

Set a sandstone 15x10x6 ins. 10 ins. in the ground for closing cor. for secs. 30 and 31, marked CCUIR with 5 grooves on E.1 groove on S. and UFR on W. faces; and raise a mound of stone 2 ft. base 1½ ft. high E. of cor.

Pits impracticable.

From this closing corner the 152d mile post on the boundary as established by Deputies A.H. and F.M. Brown under their contract No. 264, bears S.54°30'W. 15.02 chs.

Land mountainous.

Soil rocky; 4th rate.

Timber pine and aspen.

Mountainous or heavily timbered land 30.02 chs.

Oct. 17, 1903

October 17, 1903, at the corner of secs. 29, 30, 31, and 32; I back sight on the signal erected bet. secs. 31 and 32, 94±45 chs. N. of the cor. of secs. 31 and 32 on the Uintah Special Base and mark this line by a tack set in a wood-on peg driven in the ground 6.00 chs. N. of my station, which is in latitude 40°27'12" N. and longitude 111°11'22" W.

October 17, 1903.

SUBDIVISION OF T.1 N.R.11 W.

Chains

October 18, 1903, at 5 h. 35 m.a.m.l.m.t. I observe Polaris at western elongation and mark the position thus determined by a tack driven in a peg set west of the point established last night. From this line I turn  $1^{\circ}33'$  toward the east to the tack set last night.

Azimuth of Polaris at western elong.  $1^{\circ}35'W.$

" " line

$0^{\circ}04'W.$

Angle between azimuth of Polaris at western elongation and a line N. $0^{\circ}$   
 $4'W.$  is  $1^{\circ}31'$   
Therefore my course is correct.

The magnetic bearing of the line is N. $17^{\circ}00'W.$  and the magnetic declination is  $17^{\circ}00'$  plus  $0^{\circ}04' = 17^{\circ}04'E.$

October 18, 1903.

---

GENERAL DESCRIPTION.

This township is all mountainous land cut by the West Fork of the DuChesne River. This stream enters the township at the south boundary of sec. 32 with a north-easterly course which it keeps for about three quarters of a mile when it turns and runs through the rest of the township in a general easterly course. It is a clear mountain stream with rocky bottom and rapid current. There are some mountain trout in the stream. This stream is fed by many branches both from the north and south. The ground rises both to the north and south from the river and is very much broken by draws and ravines.

The township is almost entirely covered by different sizes of aspen timber with considerable pine of good size.

The soil is sandy but naturally covered by a good growth of grass and other vegetation which makes the land desirable for grazing purposes. It has been almost denuded by sheep grazing.

SUBDIVISION OF T. 1 N.R., 11 W.

There are no settlers, and no indications of mineral in the township.

*John W. Kimball*  
U.S. Deputy Surveyor.

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# FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

## LIST OF NAMES.

A list of the names of the individuals employed by .....  
....., United States Deputy Surveyor, to assist in running, measuring, and  
marking the lines and corners described in the foregoing field notes of the survey of .....  
showing the respective capacities in which they acted:

....., *Chainman.*

For final affidavits see book "L" T. 4 N. R. 9 W. ...., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Arman.*

....., *Arman.*

....., *Flagman.*

## FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted .....  
....., United States Deputy Surveyor, in surveying all  
those parts or portions of the .....  
....., of the .....  
meridian, ..... of ....., which are represented

in the foregoing field notes as having been surveyed by him and under his direction; and that said survey  
has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the  
corner monuments established, according to the instructions furnished by the United States Surveyor  
General for .....

For final affidavits see book "L" T. 4 N. R. 9 W. ...., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Arman.*

....., *Arman.*

....., *Flagman.*

Subscribed and sworn to before me this .....  
day of ..... , 190 }  
} 190



## FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, \_\_\_\_\_, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from \_\_\_\_\_, bearing date of the \_\_\_\_\_ day of \_\_\_\_\_, 190\_\_\_\_\_, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for \_\_\_\_\_, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of \_\_\_\_\_.

For final affidavit see book "L" T 4 N.R. 9 W.

of the \_\_\_\_\_ meridian, in the \_\_\_\_\_ of \_\_\_\_\_, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for \_\_\_\_\_ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

*United States Deputy Surveyor.*

Subscribed by said \_\_\_\_\_, and sworn to before me }  
this \_\_\_\_\_ day of \_\_\_\_\_, 190\_\_\_\_\_ }

#####  
O SEAL O  
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## APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, December 12, 1904.

The foregoing field notes of the survey of the Subdivisional lines of Township No. 1 North, Range No. 11 West of the Uintah Special Base and Meridian, Utah,

executed by \_\_\_\_\_ John W. McKim  
under his contract No. 277, dated July 22, 1903, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

*Edward H. Alderson*  
United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in \_\_\_\_\_, has been correctly copied from the original notes on file in this office.

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4-070.

BOOK A-312

FILED

SEP 30 1904

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# FIELD NOTES

OF THE SURVEY OF THE

NORTH BOUNDARY

0 P.

TOP MOUNTAIN N. O. 2 N. O. 11

RANGE N. O. 9 M. S. T.

of the WILDER SPECIAL BASE LINE Meridian,

UTAH

AS SURVEYED BY

John W. McKim, United States Deputy Surveyor,

Under his Contract No. 277, dated July 22, 1903

Survey commenced, October 26, 1903.

Survey completed, October 27, 1903.

High 4-47-28 ✓  
Closing 0-4-22 ✓

## NAMES AND DUTIES OF ASSISTANTS.

Ray Streeper Chainman.

Lyman Haymond Chainman.

John Streeper Moundman.

Henry W. Curtis Axman.

George Russell Axman.

James S. Hutz Flagman.

For preliminary affidavits see book "#". T.1 N.R.10 W.

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Volume

#

R0312

BOOK A-312

INDEX DIAGRAM.

*Township* ..... *R. N.* ..... , *Range* ..... *S. W.* .....

5 4 3 2 1

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19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

*Meanders Page* .....

## PRELIMINARY OATHS OF ASSISTANTS.

WE, ..... and .....

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

....., Chainman

....., Chainman

Subscribed and sworn to before me this .....  
day of ..... , 1900 }



WE, ..... and .....

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

....., Moundman

....., Moundman

Subscribed and sworn to before me this .....  
day of ..... , 1900 }



WE, ..... and .....

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

....., Axman

....., Axman

Subscribed and sworn to before me this .....  
day of ..... , 1900 }

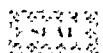


I,

do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of

....., Flagman

Subscribed and sworn to before me this .....  
day of ..... , 1900 }



## NORTH BOUNDARY OF T.2 N.R.2 W.

- Chains Survey commenced Oct. 26, 1903, and executed with a C.L. Berger & Sons mining transit, for a description of which see book "A" of this survey.
- I begin at the cor. of Tps. 2 and 3 N.Rs. 8 and 9 W. which is a sandstone 8x12x4 ins. above ground, firmly set and marked and witnessed as described by Deputy Fred Johnson under his contract No. 276, latitude  $40^{\circ}37'N.$ ; longitude  $110^{\circ}52'W.$
- At 5 h. 07 m.a.m. I. n.t. I observe Polaris at west azimuth elongation, and mark the line thus determined by a tack driven into a wooden plug set 5 inches N. of cor.
- 5 h. 10 m. a.m.
- At 7 h. 30 m.a.m. I. n.t., I lay off the azimuth of Polaris  $1^{\circ}55.5$  to the east and mark the meridian thus determined by a cross cut on a stone in place west of the plug previously set. The magnetic bearing of the true meridian is  $N216^{\circ}55'W.$ , which gives the magnetic decl.  $16^{\circ}55'E.$  Knowing that the N.bdy. of the Tp. will intersect the West bdy. of the Uintah Indian Reservation I run, from the cor. above described
- West on a true line bet. secs. 1 and 36 over mountainous land; ascending through balsam timber.
- 30.00 Leave timber bears NE and S.W.
- Ascend abruptly.
- 40.00 Set a sandstone 14x10x8 ins. 9 ins. in the ground for  $\frac{1}{2}$  sec. cor., marked  $\frac{1}{4}$  on N. face; raise a mound of stone 2 ft. base  $1\frac{1}{2}$  ft. high N. of cor. Pits impracticable.
- 52.00 Top of ridge bears NE and SW.
- Descend.
- 80.00 Set a sandstone 24x16x8 ins. 18 ins. in the ground for cor. of secs. 1, 2, 35, and 36, marked with 1 notch on E. and 5 notches on W. edges; raise a mound of stone 2 ft. base  $1\frac{1}{2}$  ft. high N. of cor. Pits impracticable.
- Land mountainous.
- Soil rocky; 4th rate.

NORTH BOUNDARY T.2 N.R.9 W.

Chains Timber balsam.

Mountainous or heavily timbered land 80.00 chs.

---

West between secs.2 and 35  
Over mountainous land and heavy slide rock; ascending.

14.50 Top of ridge bears N. and S.

Descend.

40.00 Set a sandstone 18x14x10 ins.12 ins.in the ground for  
 $\frac{1}{2}$  sec.cor..marked  $\frac{1}{4}$  on N.face;raise a mound of stone 2  
ft.base  $1\frac{1}{2}$  ft.high N.of cor.Pits impracticable.

60.00 Enter pine,spruce and balsam timber.

80.00 Set a sandstone 16x10x8 ins.11 ins.in the ground for  
cor.of secs.2,3,34, and 35,marked with 2 notches on E.and  
4 notches on W.edges;from which

A pine 6 ins.diam.bears N. $42^{\circ}56'$  1ks.dist.,marked  
T 3 N R 9 W S 34 B T

A balsam 6 ins.diam.bears N. $31^{\circ}10'$  E.85 1ks.dist.  
marked T 3 N R 9 W S 35 B T

A spruce 10 ins.diam.bears S. $47^{\circ}30'$  E.91 1ks.dist.  
marked T 3 N R 9 W S 3 B T

A spruce 9 ins.diam.bears S. $66^{\circ}35'$  W.95 1ks.dist.  
marked T 2 N R 9 W S 3 B T

Land mountainous.

Soil rocky;4th rate.

Timber pine,spruce, and balsam .

Mountainous or heavily timbered land 80.00 chs.

Oct.26,1903.

---

Oct.27,1903.

West betsecs.3 and 34.

Descending abruptly over slide rock and live and fallen  
timber.

20.15 Center of North Fork of Duchesne River 50 lks.wide,  
drains southerly.

NORTH BOUNDARY OF T.2 N.R.9 W.

Chains	Ascend abruptly over ledges.
40.00	Set sand-stone 20x10x8 ins.15 ins.in the ground for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{2}$ on N.face;from which An aspen 4 ins.diam.bears S.22°30'E.50 lks.dist. marked $\frac{1}{4}$ S 3 B T A spruce 14 ins.diam.bears N.41°30'W.97 lks.dist. marked $\frac{1}{4}$ S 34 B T
51.00	Ledge 50 ft.high bears N.and S.;ascend.
64.00	Ledge 75 ft.high bears N.and S.;ascend.
80.00	Set a sandstone 16x12x6 ins.11 ins.in the ground for cor.of secs.3,4,33, and 34,marked with 3 notches on E. and W.edges;from which A spruce 10 ins.diam.bears N.73°35'W.15 lks.dist. marked T 3 N R 9 W S 33 B T A spruce 13 ins.diam.bears N.35°30'E.17 lks.dist. marked T 3 N R 9 W S 34 B T A spruce 30 ins.diam.bears S.11°34'E.6 lks.dist. marked T 2 N R 9 W S 3 B T A spruce 16 ins.diam.bears S.29°26'W.70 lks.dist. marked T 2 N R 9 W S 4 B T
	Land mountainous.
	Soil rocky and sandy;3d and 4th rate.
	Timber spruce and aspen.
	Mountainous and heavily timbered land 80.00 chs.

West betsecs.4 and 55

Over mountainous land;through pine,spruce, and balsam timber;ascending.

12.00	Foot of rock slide;ascend abruptly.
16.00	More gradual ascent.
40.00	Point for $\frac{1}{4}$ sec.cor.falls on rock in place 3x3x3 ft. above ground, on which Cut a cross (X) at the corner point for $\frac{1}{4}$ sec.cor.,m marked $\frac{1}{2}$ on N.of cross;from which

NORTH BO ND

N 9 W

- Chain A pine 18 ins.diam.bears N. $6^{\circ}45'$ E.47 lks.dist.  
marked  $\frac{1}{4}$  S 33 B T  
An aspen 8 ins.diam.bears S. $25^{\circ}00'$ E.42 lks.dist.  
marked  $\frac{1}{4}$  S 4 B T
- 58.00 Ascend abruptly.
- 68.00 Ridge bears N. and S.; thence over broken land; through heavy timber.
- 80.00 Set a sandstone 16x12x8 ins.11 ins.in the ground for cor.of secs.4,5,32, and 33,marked with 4 notches on E. and 2 notches on W.edge;from which  
A pine 10 ins.diam.bears N. $47^{\circ}E.10$  lks.dist.  
marked T 3 N R 9 W S 33 B T  
A pine 12 ins.diam.bears S. $42^{\circ}E.55$  lks.dist.  
marked T 2 N R 9 W S 4 B T  
A pine 8 ins.diam.bears S. $75^{\circ}W.36$  lks.dist.  
marked T 2 N R 9 W S 5 B T  
A pine 11 ins.diam.bears N. $30^{\circ}W.24$  lks.dist.  
marked T 3 N R 9 W S 32 B T  
Land mountainous.  
Soil rocky and sandy; 3rd and 4th rate.  
Timber pine,spruce, and balsam.  
Mountainous land,heavily timbered 80.00 chs.
- 
- West betsecs.5 and 32  
Over slide rock;through scattering pine timber;ascendin .  
40.00 Set a sandstone 18x10x8 ins.12 ins.in the ground for  $\frac{1}{4}$  sec.cor.,marked  $\frac{1}{4}$  on N.face;and raise a mound of stone 2 ft.base  $1\frac{1}{2}$  ft.high N.of cor. Pits impracticable.
- 47.28 On top of dividing ridge,intersect North Boundary of Uintah Indian Reservation,  
Set a sandstone 20x14x12 ins.15 ins.in the ground for closing cor.of Tps.2 and 3 N.R.9 W.;marked 3 N on N.,2 N on S.,9 W CCUIR with 5 grooves on E.and UFR on W. faces;from which  
A pine 8 ins.diam.bears S. $64^{\circ}E.245$  lks.dist.  
marked T 2 N R 9 W S 5 B T

NORTH BOUNDARY T 2 N R 9 W

A pine 6 ins. diam. bears N.58°E. 140 lks. dist.

marked T 3 N R 9 W S 32 B T

From the closing cor. the 181st. mile corner on the boundary as established by Deputies A.H. and F.M. Brown under their contract No. 264 bears S.5°30'E. 4.22. chs.

Land mountainous.

Soil rocky and sandy; 3d and 4th rate.

Timber pine and spruce.

Mountainous land heavily timbered 47.38 chs.

Oct. 27, 1903.

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For general description see notes of subdivision  
of T.2 N.R.9 W.

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## BOUNDARIES OF T.2 N.R.9 W.

Line Designated	True Bearing	Dist. chs.	Latitudes		Departures	
			N. chs.	S. chs.	E. chs.	W. chs.
N.Bdy.T.2 N.R.9 W.	East	367.28	.....	.....	367.28	.....
E.Bdy.T.2 N.R.9 W.	South	486.90	.....	486.90	.....	.....
S.Bdy.T.2 N.R.9 W.	West	361.00	.....	.....	.....	361.00
W.Bdy.Uintah Ind.	N. $4^{\circ}30'W.$	14.80	14.77	.....	.....	1.37
Reservation	N. $83^{\circ}15'E.$	37.00	4.38	.....	36.75	.....
	N. $62^{\circ}45'E.$	12.90	7.80	.....	10.27	.....
	N. $38^{\circ}15'E.$	15.30	13.02	.....	9.49	.....
	N. $64^{\circ}W.$	6.30	2.76	.....	.....	5.66
	N. $81^{\circ}W.$	10.00	1.56	.....	.....	9.88
	S. $81^{\circ}15'W.$	17.20	.....	2.61	.....	16.99
	N. $13^{\circ}E.$	18.00	17.53	.....	4.05	.....
	N. $23^{\circ}30'W.$	14.50	13.30	.....	.....	5.79
	N. $34^{\circ}45'W.$	12.10	9.95	.....	6.89	.....
	N. $40^{\circ}45'W.$	18.20	13.79	.....	.....	11.88
	N. $23^{\circ}45'W.$	19.00	17.39	.....	7.65	.....
	N. $23^{\circ}45'W.$	7.10	6.50	.....	.....	2.86
	N. $64^{\circ}30'W.$	113.90	5.99	.....	.....	12.54
	N. $74^{\circ}30'W.$	12.50	3.33	.....	.....	12.04
	N. $56^{\circ}30'W.$	6.90	3.81	.....	.....	5.75
	N. $49^{\circ}15'W.$	13.10	8.55	.....	.....	9.92
	N. $71^{\circ}45'W.$	7.50	2.35	.....	.....	7.12
	N. $61^{\circ}45'W.$	16.70	7.90	.....	.....	14.71
	N. $54^{\circ}W.$	29.30	17.23	.....	.....	23.70
	N. $8^{\circ}15'W.$	6.90	6.83	.....	.....	.99
	N. $38^{\circ}45'W.$	18.50	16.28	.....	.....	8.90
	N. $82^{\circ}W.$	8.60	1.20	.....	.....	8.52
	S. $80^{\circ}15'W.$	11.80	.....	2.00	.....	11.63
	N. $73^{\circ}15'W.$	8.50	2.45	.....	.....	8.14
	N. $9^{\circ}W.$	10.60	10.47	.....	.....	1.65
	N. $14^{\circ}15'E.$	24.10	23.36	.....	5.92	.....
	N. $44^{\circ}15'W.$	9.00	6.45	.....	.....	6.28
	N. $76^{\circ}45'W.$	15.32	3.49	.....	.....	14.81
W.Bdy.T.2 N.R.9 W.	North	55.01	55.01	.....	.....	.....
W.Bdy.Uintah Ind.	S. $71^{\circ}30'E.$	5.68	.....	1.80	5.38	.....
Reservation	S. $59^{\circ}00'E.$	10.44	.....	5.38	8.94	.....
	N. $83^{\circ}00'E.$	6.48	.79	.....	6.43	.....
	N. $54^{\circ}00'E.$	8.51	4.99	.....	6.87	.....
	N. $43^{\circ}30'E.$	6.78	4.92	.....	4.67	.....
	N. $27^{\circ}30'E.$	5.30	4.70	.....	2.45	.....
	N. $24^{\circ}30'E.$	15.83	14.40	.....	6.56	.....
	N. $19^{\circ}30'E.$	17.54	16.52	.....	5.85	.....
	N. $49^{\circ}30'E.$	13.03	8.46	.....	9.91	.....
	N. $62^{\circ}00'E.$	23.73	11.14	.....	20.95	.....
	N. $38^{\circ}45'E.$	8.68	6.77	.....	5.43	.....
	N. $51^{\circ}45'E.$	8.28	5.13	.....	6.50	.....
	N. $50^{\circ}45'E.$	12.07	7.64	.....	9.34	.....
	N. $40^{\circ}00'E.$	6.70	5.13	.....	4.31	.....
	N. $13^{\circ}15'E.$	48.67	47.37	.....	11.15	.....
	N. $17^{\circ}45'E.$	13.43	12.78	.....	4.09	.....
	N. $14^{\circ}00'E.$	3.61	3.49	.....	.89	.....
	N. $19^{\circ}00'W.$	7.93	7.50	.....	.....	2.58
	N. $23^{\circ}00'W.$	6.51	5.99	.....	.....	2.54
	N. $26^{\circ}30'W.$	13.06	11.69	.....	5.83	.....
	N. $21^{\circ}30'W.$	17.30	16.10	.....	.....	6.54
	N. $3^{\circ}00'W.$	9.23	9.31	.....	.....	.48
	N. $5^{\circ}30'W.$	5.44	5.41	.....	.....	.52
Convergency					50	
		496.50	498.69	574.34	575.59	
Error in lat. and dep.				496.50	573.59	
					75	

*John W. McLean*

U.S. Deputy Surveyor.

## FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

## LIST OF NAMES.

A list of the names of the individuals employed by .....  
 ..... United States Deputy Surveyor, to assist in running, measuring, and  
 marking the lines and corners described in the foregoing field notes of the survey of .....  
 following the respective capacities in which they acted:

For final affidavita see book "J" T. 3 N.R.9 W. ...., Chainman.  
 ...., Chainman.  
 ...., Moundman.  
 ...., Moundman.  
 ...., Axman.  
 ...., Axman.  
 ...., Flagman.

## FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted ..... United States Deputy Surveyor, in surveying all  
 those parts or portions of the ..... of the ..... of the ..... meridian, ..... of ..... which are represented

in the foregoing field notes as having been surveyed by him and under his direction; and that said survey  
 has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the  
 corner monuments established, according to the instructions furnished by the United States Surveyor

General for .....

For final affidavita see book "J" T. 3 N.R.9 W. ...., Chainman.  
 ...., Chainman.  
 ...., Moundman.  
 ...., Moundman.  
 ...., Axman.  
 ...., Axman.  
 ...., Flagman.

Subscribed and sworn to before me this ..... }  
 day of ..... 100 }



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, ..... United States Deputy Surveyor, solemnly swear that, in pursuance of a contract received from United States Surveyor General for ..... bearing date of ..... day of ..... 190 , I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for ..... the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of .....

For final affidavit see book # T.3 N.R.9 W.

..... of the ..... meridian, in the ..... which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for ..... and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

United States Deputy Surveyor

Subscribed by said ..... and sworn to before me }  
this ..... day of ..... 190 }

ccoooo  
O SEAL O  
ccoooo

**APPROVAL.**

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, December 12, 1904.

The foregoing field notes of the survey of the North Boundary of Township No. 2 North, Range No. 9 West of the Uintah Special Base and Meridian, Utah,

executed by ..... John W. McKim  
to do his contract No. 277, dated July 22, 1903, XMAS, having been  
carefully examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

*Edward H. Rutherford*  
United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described survey is .....  
has been correctly copied from the original notes on file in this office.

United States Surveyor General.

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FILED

SEP 30 1904

83

## FIELD NOTES

OF THE SURVEY OF THE

W\_E\_S\_T\_B\_O\_U\_N\_D\_A\_R\_Y

O\_F

T\_O\_W\_N\_S\_H\_I\_P N\_O. 3 N\_O\_R\_T\_H

R\_A\_N\_G\_E N\_O. 9 W\_E\_S\_T

Of the VINTAH SPECIAL BASE AND Meridian,

U\_T\_A\_H

AS SURVEYED BY

John W. McKim

United States Deputy Surveyor,

Under his Contract No. 277, dated July 22, 1903.

Survey commenced November 20, 1903.

Survey completed November 21, 1903.

6-161

slo slo

55.01 ✓

Elevnig 12.70 ✓

Assm't. 3.11

NAMES AND DUTIES OF ASSISTANTS.

Ray Streeper

Chainmah.

Lyman Haymond

Chainman.

John Streeper

Moundman.

Henry W. Curtis

Axman.

George Russell

Axman.

James S. Houtz

Flagman.

For preliminary affidavits see book "B" T.1 N.R.10 W.

BLOCK A-312

## INDEX DIAGRAM.

*Township 2 North, Range 9 West*

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30	29	28	27	26	25
31	32	33	34	35	36

*Meanders Page*

PRELIMINARY OATHS OF ASSISTANTS.

WE, \_\_\_\_\_ and \_\_\_\_\_

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

\_\_\_\_\_, Chainman.

\_\_\_\_\_, Chainman.

Subscribed and sworn to before me this \_\_\_\_\_  
day of \_\_\_\_\_, 190 \_\_\_\_\_ }



WE, \_\_\_\_\_ and \_\_\_\_\_

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

\_\_\_\_\_, Moundman.

\_\_\_\_\_, Moundman.

Subscribed and sworn to before me this \_\_\_\_\_  
day of \_\_\_\_\_, 190 \_\_\_\_\_ }



WE, \_\_\_\_\_ and \_\_\_\_\_

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

\_\_\_\_\_, Axman.

\_\_\_\_\_, Axman.

Subscribed and sworn to before me this \_\_\_\_\_  
day of \_\_\_\_\_, 190 \_\_\_\_\_ }



I, \_\_\_\_\_, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of \_\_\_\_\_

\_\_\_\_\_, Flagman.

Subscribed and sworn to before me this \_\_\_\_\_  
day of \_\_\_\_\_, 190 \_\_\_\_\_ }



## WEST BOUNDARY OF T.2 N.R.9 W.

chains.

Survey commenced Nov. 20, 1903, and executed with a C.L. Berger & Sons mining transit; for a description of which see book "A" of this survey.

I commence at the cor. of secs. 13, 18, 19, and 24 on W.bdy. of Tp., set by me during the subdivision of T.2 N.R.9 W. and heretofore described; in lat.  $40^{\circ}34'N.$ ; long.  $110^{\circ}55'W.$  and at 9 h. 30 m.p.m.l.n.t. observe Polaris at upper culmination in accordance with instructions in the Manual, and mark a point in the meridian thus determined by a cross cut on a stone, firmly set in the ground 5 cbs.N. of cor.

The magnetic bearing of the true meridian is  $N.16^{\circ}55'W.$  which gives the magnetic declination  $16^{\circ}55'E.$

Nov. 20, 1903.

Nov. 21, 1903.

Knowing that secs. 18 and 19 will be made fractional by the west boundary of the Uintah Indian Reservation; and having been unable to determine the position of the W.bdy. of T.2 N.R.9 W. prior to surveying subdivisional line bet. secs. 18 and 19, I proceed to establish the fractional portion of W.bdy. of Tp. as follows:-

From cor. of secs. 13, 18, 19, and 24 above mentioned, I run

North bet. secs. 13 and 18

Ascending through scattering pine timber.

24.00 Enter aspen, among pine timber, bears NW. and SE.

40.00 Set a porphyry stone 18x6x5 ins. 12. ins. in the ground for  $\frac{1}{2}$  sec. cor., marked  $\frac{1}{2}$  on W. face; from which,

An aspen, 9 ins. diam. bears S.  $45^{\circ}W.$  20 lks. dist.  
marked  $\frac{1}{4}$  S 13 B T

An aspen, 7 ins. diam. bears S.  $84^{\circ}E.$  8 lks. dist.  
marked  $\frac{1}{4}$  S 18 B T

41.51 Top of dividing ridge bears E. and W.

## WEST BOUNDARY T.2 N.R.9 W.

Cabin:

Intersect W.bdy of Uintah Indian Reservation.  
 Set a sandstone 20x10x4 ins.15 ins.in the ground for  
 closing cor.of secs.15 and 18,marked CCUIR with 4  
 grooves on S.and UFR with 2 grooves on N.faces;from which  
 An aspen 2 ins.diam.bears S.32°W.75 lks.dist.  
 marked T 2 N R 10 W S 13 B T  
 A pine 12 ins.diam.bears S.26°E.69 lks.dist.  
 marked T 2 N R 9 W S 18 B T  
 From the closing corner the half-mile corner between  
 mile posts Nos.177 and 178 on the boundary as established  
 by Deputies A.H.and F.M.Brown under their contract No.  
 264 bears as follows:

H.71°30'W.2.02 chs.;thence

H.67°W.7.98 chs.to half-mile cor.bot.mile posts Nos.  
 177 and 178

Land mountainous.

Soil sandy and rocky with iron stains;3d and 4th rate.

Timber pine and aspen.

Mountainous or heavily timbered land 41.51 chs.

From cor.of secs.13,18,19, and 24,I run

South bet:secs.19 and 24.

Descending over mountainous land.

6.00

Bottom of Iron Mine Canon drains SW.;ascend;

13.50

Top of dividing ridge.Near's NW and SW.

Intersect the west bdy of the Uintah Indian Reservation

Set r.limestone 16x10x4 ins.11 ins.in the ground for

closing.cor.of secs.19 and 24,marked CCUIR with 3  
 grooves on N.and UFR with 3 grooves on S.face;and raise

a mound of stone 2 ft.base 14 ft.high N.of cor.

Pits impracticable.

From the closing corner the 175th mile corner on the

bdy,as established by Deputies A.H.and F.M.Brown under

their contract No.264 bears N.76°W.78 ins.

-3-

## WEST BOUNDARY OF T.2 N.R.9 W.

From this closing cor. U.S. Mineral Monument No.1, unorganized mining district, Wasatch County bears N.72°07' W. 3.11 chs. dist.  
Land mountainous.

Soil sandy and rocky; 3d and 4th rate.

No timber.

Mountainous land 13.50 chs.

November 21, 1903.

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For general description see notes of subdivision  
of T.2 N.R.9 W.

*John W. Miller*  
U.S. Deputy Surveyor.

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## FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

## LIST OF NAMES.

A list of the names of the individuals employed by \_\_\_\_\_  
\_\_\_\_\_, United States Deputy Surveyor, to assist in running, measuring, and  
marking the lines and corners described in the foregoing field notes of the survey of \_\_\_\_\_

showing the respective capacities in which they acted:

For final affidavits see book "J" T. 3 N.R.9 W. \_\_\_\_\_, Chainman.

\_\_\_\_\_, Chainman.

\_\_\_\_\_, Moundman.

\_\_\_\_\_, Moundman.

\_\_\_\_\_, Axman.

\_\_\_\_\_, Axman.

\_\_\_\_\_, Flagman.

## FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted \_\_\_\_\_  
\_\_\_\_\_, United States Deputy Surveyor, in surveying all  
those parts or portions of the \_\_\_\_\_

of the \_\_\_\_\_

meridian, \_\_\_\_\_ of \_\_\_\_\_, which are represented  
in the foregoing field notes as having been surveyed by him and under his direction; and that said survey  
has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the  
corner monuments established, according to the instructions furnished by the United States Surveyor  
General for \_\_\_\_\_

For final affidavits see book "J" T. 3 N.R.9 W. \_\_\_\_\_, Chainman.

\_\_\_\_\_, Chainman.

\_\_\_\_\_, Moundman.

\_\_\_\_\_, Moundman.

\_\_\_\_\_, Axman.

\_\_\_\_\_, Axman.

\_\_\_\_\_, Flagman.

Subscribed and sworn to before me this \_\_\_\_\_ }  
day of \_\_\_\_\_, 190 \_\_\_\_\_ }

SEAL

## FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, \_\_\_\_\_, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from \_\_\_\_\_, bearing date of the United States Surveyor General for \_\_\_\_\_, day of \_\_\_\_\_, 190\_\_\_\_\_, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for \_\_\_\_\_, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of \_\_\_\_\_.

For final affidavits see book "J" T.3 N.R.9 W. ....

..... of the .....  
meridian, in the ..... of ..... which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for ..... and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

United States Deputy Surveyor.

Subscribed by said \_\_\_\_\_, and sworn to before me }  
this \_\_\_\_\_ day of \_\_\_\_\_, 190\_\_\_\_\_ }



## APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, December 12, 1904.

The foregoing field notes of the survey of the West Boundary of Township No. 32 North, Range No. 9 West of the Uintah Special Base and Meridian, Utah,

executed by John W. McKim  
under his contract No. 277, dated July 22, 1903, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

*Edward M. Rutherford*  
United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in \_\_\_\_\_, has been correctly copied from the original notes on file in this office.

United States Surveyor General.

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BOOK A-312

FILED

SEP 30 1904

H.M.

## FIELD NOTES

OF THE SURVEY OF THE

S U R V I E WO FT O W N S H I P , N . O . 2 , N O R T H .R A N G E , N . O . 9 , V E S Tof the ..... MINTAU SPECIAL BASE AND..... Meridian,U P T A H

AS SURVEYED BY

John W. McKim, ..... United States Deputy Surveyor,

Under his Contract No. 277, dated July 22, 1903.

Survey commenced October 31, 1903, ~~200~~Survey completed November 23, 1903, ~~100~~

High 52.14+17 ✓  
 Closing 219.44 ✓

NAMES AND DUTIES OF ASSISTANTS.

Ray Streeper	Chainman.
Lyman Haymond	Chainman.
John Streeper	Moundman.
Henry W. Curtis	Axman.
George Russell	Axman.
James S. Houtz	Flagman.

For preliminary affidavits see book "C" T./N.R./O.W.

Volume

#

R0312

BOOK A-312

INDEX DIAGRAM.

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*Meanders Page*

## PRELIMINARY OATHS OF ASSISTANTS.

WE, \_\_\_\_\_ and \_\_\_\_\_

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

\_\_\_\_\_, *Chainman.*

\_\_\_\_\_, *Chainman.*

Subscribed and sworn to before me this \_\_\_\_\_  
day of \_\_\_\_\_, 190 }  
                                                          }



WE, \_\_\_\_\_ and \_\_\_\_\_

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

\_\_\_\_\_, *Moundman.*

\_\_\_\_\_, *Moundman.*

Subscribed and sworn to before me this \_\_\_\_\_  
day of \_\_\_\_\_, 190 }  
                                                          }



WE, \_\_\_\_\_ and \_\_\_\_\_

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

\_\_\_\_\_, *Axman.*

\_\_\_\_\_, *Axman.*

Subscribed and sworn to before me this \_\_\_\_\_  
day of \_\_\_\_\_, 190 }  
                                                          }



I, \_\_\_\_\_, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of \_\_\_\_\_

\_\_\_\_\_, *Flagman.*

Subscribed and sworn to before me this \_\_\_\_\_  
day of \_\_\_\_\_, 190 }  
                                                          }



## SUBDIVISION OF T.2 N.R.9 W.

- Chains. Survey commenced Oct. 31, 1903, and executed with a C.L. Berger & Sons mining transit, for a description of which see book A. of this survey..
- I commence at the cor.of secs.1,2,35, and 36 on S.bdy.of tp., which is a sandstone 5x6x4 ins. :.above ground, firmly set and marked and witnessed as described by Deputy Fred Johnson under his contract No.276, latitude  $40^{\circ}32'N.$ , longitude  $110^{\circ}52'W.$ , and at 4 h.51 m.a.m.l.m.t.I observe Polaris at  $1^{\circ}33'55''$  to the west and mark the line thus determined by a tack driven in a wooden peg set in the ground 5 chs. N.of my station.  $1^{\circ}33'55''$
- October 31, 1903, at 7h.30m a.m.l.m.t.I lay off the azimuth of Polaris  $1^{\circ}33'55''$  to the east and mark the meridian thus determined by a cross (X) cut in a stone in place west of the peg established last night;the magnetic bearing of the true meridian is  $N.16^{\circ}55'W.$ ;the angle thus determined gives the mag:decl. $16^{\circ}55'E.$
- From said cor.of lsecs.1,2,35, and 36 , I run  
 $N.0^{\circ}01'W.$  bet. secs.35 and 36 .
- over mountainous land;descending.
- 1.20 North Fork of DuChesne River, a clear mountain stream 50 lks.wide 2 ft.deep, rocky bottom, course  $S.20^{\circ}E.$
- 37.00 Begin ascent bears  $N.20^{\circ}W.$  and  $S.20^{\circ}E.$
- 40.00 Set a sandstone 16x10x8 ins.11. ins.in the ground for cor. sec.cor.,marked  $\frac{1}{4}$  on W.face;and raise a mound of stone 2 ft.base  $1\frac{1}{2}$  ft.high W.of cor.Pits impracticable.
- Ascend.
- 68.00 Dry wash drains W.
- 75.00 Spur projects W.;descend.
- 80.00 Set a sandstone 18x18x4 ins.12 ins.in the ground for cor. of secs.25,26,35, and 36,marked with 1 notch on S.and 1 notch on E.edges;and raise a mound of stone 2 ft.base  $1\frac{1}{2}$  ft.high W.of cor.
- Pits impracticable.
- Land mountainous.

## SUBDIVISION OF T.2 N.R.9.W.

Chains.

Soil sandy and rocky; 3rd and 4th rate.

No timber.

Mountainous land 80.00 chs.

Dr. 1/4 sec. 16 S.E. rd. from timber ditch about 1000 ft.

East on a random line bet. secs. 25 and 36.

40.00

Set temp.  $\frac{1}{4}$  sec. cor. corner with a pine log.

80.20

Intersect E. bdy. of Tp. 18. 1ks. N. of the cor. of secs. 25, 30, 31 and 36, which is a limestone 10x4x6 ins. above ground, firmly set and marked and witnessed as described by Deputy Fred Johnson under his contract No. 276.

Thence E run. N.E. for 100 ft., N.E. 1/4 sec. cor.

N: 89° 52' W. on a true line bet. secs. 25 and 36.

Over mountainous land; descending.

6.00

Bottom of draw, drains S. 50° W. ascend abruptly.

23.00

Top of spur projects SW; descend through draw draining S. 80° W. on a random line with heavy timber and brush.

40.10

Set a sandstone 18x12x4 ins. 12 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on W. face, and raise a mound of stone 2 ft. base  $1\frac{1}{2}$  ft. high N. of cor. Pits impracticable.

47.00

Enter pine and aspen timber and fallen timber, bears NE and SW. on a random line, passing through 1/4 sec. cor.

80.20

The cor. of secs. 25, 26, 35, and 36. 1/4 sec. cor.

Land mountainous. (not much timber) 80.00 chs.

Soil sandy and rocky. 3rd and 4th rate. 80.00 chs.

Timber pine and aspen. 35.00 chs. 1/4 sec. cor.

Mountainous land 80.20 chs.

Oct. 31, 1903.

00.85

General 1/4 sec. cor. 80.00 chs.

00.25

Nov. 2, 1903.

00.08

1/4 sec. cor. N. 0° 01' W. bet. secs. 25 and 26,

Over mountainous land; ascending.

18.00

Bottom of steep ascent bears E. and W. 1/4 sec. cor.

53.00

Top of large spur projects SW. 1/4 sec. cor.

Descend.

SUBDIVISION OF T.2 N.R.9 W.

Chains.	
40.00	Set a sandstone 18x6x4 ins.12 ins.in the ground for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on the W.face;and raise a mound of stone 2 ft.base $1\frac{1}{2}$ ft.high W.of cor. Pits impracticable.
44.50	Creek 5 lks.wide,3 ins.deep,gravelly-bottom course SW.;Ascend.
71.00	Top of spur projects SW.;descend.
80.00	Set sandstone 18x10x6 ins.12 ins.in the ground for corner of secs.23,24,25, and 26,marked with 2 notches on S.and 1 notch on E.edge;and raise a mound of stone 2 ft.base, $1\frac{1}{2}$ ft.high W.of cor. Pits impracticable. Land mountainous. Soil sandy and rocky;3rd and 4th rate. No timber. Mountainous land 80.00 chs.

	S.88°52'W.on a random line betsecs.24 and 25
40.00	Set temp. $\frac{1}{4}$ sec.cor.
80.02	Intersect E.bdy.of Tp.8 1ks.S.of the cor.of secs.19,24, 25, and 30,which is a sandstone 14x6x5 ins.above.ground, firmly set and marked and witnessed as described by the Deputy Fred Johnson under his contract No.276. Thence I run
	N.89°55'W.on a true line bet:secs.24 and 25 Ascend along SE.slope of large spur.
25.00	Top of spur projects SE.;descend.
40.01	Set a sandstone 20x6x4 ins.15 ins.in the ground for $\frac{1}{4}$ sec.cor.;marked $\frac{1}{4}$ on N.face;and raise a mound of stone 2 ft.base $1\frac{1}{2}$ ft.high N.of cor. Pits impracticable.
55.00	Creek 6 lks.wide,5 ins.deep,course S.5°W.;ascend abruptly.
56.40	Top of spur 100 ft:high projects S.55°W.

## SUBDIVISION OF T. 2 N.R. 9 W.

Chains 65.00	Descend. Draw course SW.; ascend abruptly.
73.00	Top of spur projects SW.; descend.
77.00	Draw course SE.; creek in draw, 3 lks. wide; ascend.
80.02	The cor. of secs. 23, 24, 25, and 26. Land mountainous. Soil sandy and rocky; 3rd and 4th rate.
	No timber.
	Mountainous land: 80.02, chs. SSW., S. 34° 45' E. dist. 04.00

	N. 0° 01' W. bet. secs. 23 and 24; 11 ins. S.
	Over mountainous land; through pine timber.
5.00	Creek 5 lks. wide, course SE.; ascend.
10.00	Small spur projects SW.
14.50	Gulch drains SW.; ascend.
21.00	Top of spur projects W.; descend.
27.00	Bottom of descent; thence over level.
34.00	Leave pine timber bears NE. and SW. 12 ins. S. 34° 45' E. dist. 04.00
39.00	Begin steep ascent.
40.00	Point for $\frac{1}{4}$ sec. cor. falls on a rock in place; a white sandstone, 7x5x3 ft. above ground on which is, 53.
	Cut across (X) at the corner point for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. side of cross; and raise a mound of stone 2 ft. base 1 $\frac{1}{2}$ ft. high W. of cor. I 10 ft. Pits impracticable.
	Thence over slide rock.
44.50	Enter pine and spruce timber bears NE. and SW. 10.00
73.50	Base of cliff, 80 ft. high; 80 ft. high; 10 ft. S. 34° 45' E. dist. 04.00
75.90	Top of cliff.
80.00	Set a red sandstone 24x12x3 ins. 18 ins. in the ground for cor. of secs. 13, 14, 23, and 24; marked with 3 notches on S. and 1 notch on E. edge; from which, 13 ins. S. 34° 45' E. dist. 04.00 A balsam 9 ins. diam. bears N. 54° 45' E. 34 lks. dist. marked T 2 N. R. 9 W. S. 13 B. T. 10 ft. to side. 04.00

## SUBDIVISION OF T.2 N.R.9 W.

Chains

A spruce 9 ins. diam.bears S.42°40'E.50 lks.dist.

marked T 2 N R 9 W S 24 B T

A balsam 6 ins.diam.bears S.75°30'W.25 lks.dist.

marked T 2 N R 9 W S 23 B T

A balsam 8 ins,diam.bears N.34°W.55 lks.dist.

marked T 2 N R 9 W S 14 B T

Land mountainous.

Soil sandy and rocky;3rd and 4th rate..

Timber pine and spruce.

Mountainous or heavily timbered land 80.00 chs.

Nov.2,1903.

Nov.3,1903.

S.89°55'E.on a random line bet.sec.13 and 24

40.00 Set temp.1 sec.cor.

80.14 Intersect E.bdy.of Tp.7 lks.S.ef cor.of secs.13,18,19  
and 24,which is a rock in place 14x14x12 ft.above ground  
marked and witnessed as described by Deputy Fred John-  
son under his contract No.276.

Thence I run

N.89°58'W.on a true line betsecs.13 and 24

Over mountainous land;through pine timber;ascending.

35.00 Ascend abruptly over ledge bears NE.and SW.

Leave timber.

40.07 Set a sandstone 10x10x8 ins.11 ins.in the ground for  $\frac{1}{4}$   
sec.cor.,marked  $\frac{1}{4}$  on N.face;and raise a mound of stone  
2 ft.base 1 $\frac{1}{2}$  ft.high N.ef cor.Pits impracticable.

Ascend gently.

50.00 Enter pine timber bears N.and S.

80.14 The cor.of secs.13,14,23, and 24.

Land mountainous.

Soil sandy and rocky;3rd and 4th rate.

Timber pine.

Mountainous land 80.14 chs.

SUBDIVISION OF T 2 N R 9 W

Chains

N.0°01'W.bet.secs.13 and 14

Over mountainous land; ascending S. slope of high peak.

10.00 Ascend abruptly; leave timber.

18.00 Top of high peak.

Descend through slide rock, broken ledges and scattering pine timber.

40.00 Set a sandstone 18x10x6 ins.12 ins.in the ground for  $\frac{1}{4}$  sec.cor., marked  $\frac{1}{2}$  on W.face; raise a mound of stone 2 ft. base  $1\frac{1}{2}$  ft. high W.of cor.Pits impracticable.

55.00 Bottom of gulch drains SW.

Enter dense pine timber bears E. and W.

Ascend.

80.00 Set a sandstone 18x12x10 ins.12 ins.in the ground, for corner of secs.11,12,13, and 14, marked with 1 notch on E. and 4 notches on S.edges; from which

A pine 6 ins.diam.bears N.40°E.35 lks.dist.

marked T 2 N R 9 W S 12 B T

A pine 7 ins.diam.bears N.27°W.50 lks.dist.

marked T 2 N R 9 W S 11 B T

A pine 10 ins.diam.bears S.64°E.48 lks.dist.

marked T 2 N R 9 W S 13 B T

A pine 14 ins.diam.bears S.54°W.72 lks.dist.

marked T 2 N R 9 W S 14 B T

Laid mountainous.

Soil stony 4th.rate.

Timber pine.

Mountainous land 80.00 chs.

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S.89°58'E.on a random line bet.secs.12 and 13

40.00 Set temp. $\frac{1}{2}$  sec.cor. "

80.06 Intersect E.bdy.of Tp. 5 lks.N.of cor.of secs.7,12,13, and 18, which is a sandstone 7x6x6 ins.above ground, firmly set and marked and witnessed as described by Deputy Fred Johnson under his contract No.276.Thence I run

## SUBDIVISION OF T.3 N.R.9 W.

Chains

- N. $89^{\circ}56'W$ .on a true line bet.secs.12 and 13  
Over mountainous land through dense pine timber;descend-  
ing.
- 20.00 Gulch drains SW.;ascend.
- 40.03 Set a sandstone 30x8x8 ins.15 ins.in the ground for  $\frac{1}{4}$   
sec.cor.,marked  $\frac{1}{4}$  on N.face;from which  
A pine 10 ins.diam.bears N. $80^{\circ}W$ .17 lks.dist.  
marked  $\frac{1}{4}$  S 12 B T  
A pine 7 ins.diam.bears S. $26^{\circ}W$ .43 lks.dist.  
marked  $\frac{1}{4}$  S 13 B T
- 68.00 Point of spur projects SW.;descend.
- 80.06 The cor.of secs.11,12,13, and 14.  
Land mountainous.  
Soil rocky;4th rate.  
Timber pine.  
Mountainous land 80.06 chs.

N. $0^{\circ}01'W$ .bet.secs.11 and 12

- Through dense pine timber;ascending.
- 31.00 Top of spur.projects SW.;descend.
- 40.00 Set a sandstone 18x10x6 ins.12 ins.in the ground for  $\frac{1}{4}$   
sec.cor.,marked  $\frac{1}{4}$  on W.face;from which  
A pine 10 ins.diam.bears N. $80^{\circ}E$ .54 lks.dist.  
marked  $\frac{1}{4}$  S 12 B T  
A pine 8 ins.diam.bears S. $10^{\circ}W$ .24 lks.dist.  
marked  $\frac{1}{4}$  S 11 B T
- 74.00 Gulch drains SW.;ascend.
- 80.00 Set a sandstone 16x14x10 ins.11 ins.in the ground for  
cor.of secs.1,2,11, and 12,marked with 1 notch on E. and  
5 notches on S.edges;from which  
A pine 6 ins.diam.bears N. $42^{\circ}E$ .28 lks.dist.  
marked T 2 N R 9 W S 1 E T  
A pine 7 ins.diam.bears N. $54^{\circ}W$ .76 lks.dist.

## SUBDIVISION OF T 2 N R 9 W

Chains marked T 2 N R 9 W S .2 B T  
A pine 10 ins.diam.bears S.16°W.50 lks.dist.  
marked T 2 N R 9 W S 11 B T  
A pine 8 ins.diam.bears S.50°E.44 lks.dist.  
marked T 2 N R 9 W S 12 B T  
Land mountainous.  
Soil stony;4th rate.  
Timber pine.  
Mountainous land heavily timbered 80.00 chs.

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S.89°56' E.on a random line bet.secs.1 and 12  
40.00 Set temp. $\frac{1}{4}$  sec.cor.  
79.98 Intersect E.bdy.of Tp.14 lks.N.of cor.of secs.1,6,7, and  
12,which is a porphyry stone 9x5x4 ins.above ground,  
firmly set and marked and witnessed as described by Deputy  
Fred Johnson under his contract No.276.Thence I run  
N.89°50'W.on a true line bet.sec.1 and 12  
Over mountainous land;through dense pine timber;ascend-  
ing.  
39.99 Set a sandstone 15x10x8 ins.10 ins.in the ground for  $\frac{1}{4}$   
sec.cor.,marked  $\frac{1}{4}$  on N.face;from which  
A pine 6 ins.diam.bears N.12 lks.dist.,marked  
 $\frac{1}{4}$  S 1 B T.  
A pine 10 ins.diam.bears S.56°W.46 lks.dist.  
marked  $\frac{1}{4}$  S 12 B T  
Corner located on point of spur projects SW.  
Descend.  
69.00 Gulch turns SW.;ascend.  
79.98 The cor.of secs.1,2,11, and 12.  
Land mountainous.  
Soil sandy and rocky;3rd and 4th rate.  
Timber pine.  
Mountainous land,heavily timbered 79.98 chs.

## SUBDIVISION OF T.2 N.R.2 W.

Chains                    N.0°01'W.on a random line bet.secs.1 and 2  
 40.00 Set temp. $\frac{1}{4}$  sec.cor.  
 86.52 Intersect N.bdy.of Tp.3 lks.E. if cor.to secs.1,2,35, and  
 36 heretofore described.  
 Thence I run  
     S.0°02'E.on a true line bet.secs.1 and 2  
     Over mountainous land.  
 12.00 Ridge bears NE.and SW.  
     Descend along E.slope of high ridge.  
 46.52 Set a sandstone 12x12x10 ins.12 ins.in the ground for  $\frac{1}{4}$   
     sec.cor.,marked  $\frac{1}{4}$  on W.face;raise a mound of stone 3 ft.  
     base 1 $\frac{1}{2}$  ft.high W.of cor.Pits impracticable.  
 60.00 Enter pine timber bears NE.and SW.  
 86.52 The cor.of secs.1,2,11, and 12.  
     Land mountainous.  
     Soil sandy and rocky;3d and 4th rate.  
     Timber pine.  
     Mountainous land 86.52 chs.

November 3, 1903.

November 4, 1903.

From the corner of secs.2,3,34, and 35 on S.bdy.of Tp.  
 which is a porphyry stone 4 $\times$ 9x5 ins.above ground, firmly  
 set and marked and witnessed as described by Deputy  
 Fred Johnson under his contract No.276,I run

N.0°02'W.bet.secs.34 and 35

Through dense pine and aspen timber and fallen timber.

3.00 Begin descent.  
 12.00 Very steep descent.  
 37.00 Leave timber bears NE.and SW.  
 38.50 Bottom of dry wash drains NE.;ascend.  
 40.00 Set a sandstone 12x9x6 ins.8 ins.in the ground for  $\frac{1}{4}$   
     sec.cor.,marked  $\frac{1}{4}$  on W.face and raise a mound of stone  
     2 ft.base 1 $\frac{1}{2}$  ft.high W.of cor.Pits impracticable.

SUBDIVISION OF T.2 N.R.9 W.

Chains

Thence continue steep ascent over fallen timber and through dense mountain laurel undergrowth.

51.00 Top of ridge bears NE. and SW.; descend.

76.50 Draw with creek 3 lks. wide course E.; ascend.

78.25 Enter heavy aspen timber bears NE. and SW.

80.00 Set a sandstone 16x14x10 ins. 11 ins. in the ground for cor. of secs. 26, 27, 34, and 35, marked with 1 notch on S. and 2 notches on E. edge; from which

An aspen 4 ins. diam. bears N. 28° E. 9 lks. dist.  
marked T 2 N R 9 W S 26 B T

An aspen 6 ins. diam. bears S. 10° 30' E. 8 lks. dist.  
marked T 2 N R 9 W S 35 B T

An aspen 6 ins. diam. bears S. 10° 30' W. 8 lks. dist.  
marked T 2 N R 9 W S 34 B T

An aspen 4 ins. diam. bears N. 36° W. 16 lks. dist.  
marked T 2 N R 9 W S 27 B T

Land mountainous.

Soil sandy and rocky; 3rd and 4th rate.

Timber pine and aspen.

Mountainous or heavily timbered land 80.00 chs.

November 4, 1903.

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November 5, 1903.

East on a random line bet. secs. 26 and 35

40.00 Set temp.  $\frac{1}{2}$  sec. cor.

79.88 Intersect N. and S. line 10 lks. S. of the cor. of secs. 25, 26, 35, and 36; thence I run

S. 89° 56' W. on a true line bet. secs. 26 and 35

Descent on bench.

28.00 River bottom bears N. 5° W. and S. 5° E.

35.65 Edge of water of North Fork of Duchesne River; clear mountain stream; 2 ft. deep; rocky bottom; course SE.

36.00 Across stream; begin very steep rocky ascent.

39.94 Set a sandstone 18x12x6 ins. 12 ins. in the ground for  $\frac{1}{2}$

## SUBDIVISION OF T.2 N.R.9 W.

Chains	sec.cor.; marked $\frac{1}{4}$ on W.face; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high N. of cor. Pits impracticable.
	Thence continue steep ascent along S.slope of spur projects NE.
79.88	The cor.of secs.26,27,34, and 35. Land mountainous. Soil sandy and rocky; 3rd and 4th rate. No timber. Mountainous land 79.88 chs.

## N.0°03'W.betsecs.26 and 27

Ascending through heavy aspen timber.
8.00 Leave timber.
17.00 Top of high spur projects N.80°E.; begin steep descent.
26.00 Bottom of steep descent; thence descend gradually over bottom of Trail Hollow.
Enter heavy aspen timber bears NE and SW.
29.70 Creek 4 lks.wide 3 ins.deep, sandy bottom course NW.
33.00 Across bottom of Trail Hollow to point of spur.
40.00 Set a sandstone 16x8x8 ins.11 ins.in the ground for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on W.face; from which An aspen 6 ins.diam.bears S.82°15'W.8 lks.dist. marked $\frac{1}{4}$ S 26 B T
An aspen 5 ins.diam.bears S.73°W.12 lks.dist. marked $\frac{1}{4}$ S 27 B T
48.50 Leave aspen timber; enter sagebrush in river bottom of North Fork of Duchesne River,bears NW.and SE.
49.00 Enter dense willows bear NW.and SE.
52.00 S.bank of North Fork of Duchesne River.
52.30 N.bank of river.
58.00 Set a sandstone 18x12x4 ins.12 ins.in the ground for cor.of secs.22,23,26, and 27, marked with 2 notches on S. and 2 notches on E.edges;raise a mound of stone 2 ft.

S E D VISION OF T 2 N R 9 W.

Chains  
base  $1\frac{1}{2}$  ft. high W. of cor. Pits impracticable.  
Land mountainous.  
Soil sandy and rocky 2nd and 4th rate.  
Timber aspen.  
Mountainous land, or. land covered with dense undergrowth  
80.00 chs.

Nov. 5, 1903.

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Nov. 6, 1903.

N.  $89^{\circ}56'$  E. on a random line bet. secs. 23 and 26

40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
80.14 Intersect N. and S. line 4 lks. S. of the cor. of secs. 23, 24  
25 and 26; thence I run

S.  $89^{\circ}54'$  W. on a true line bet. secs. 23 and 26

Ascending over mountainous land.

.2.00 Top of small ridge, bears NW. and SE.  
21.00 Draw drains SW.  
40.07 Set a red sandstone 30x8x8 ins. 23 ins. in the ground for  
 $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on N. face; and raise a mound of  
stone 2 ft. base  $1\frac{1}{2}$  ft. high N. of cor.  
Pits impracticable.

44.00 River bottom; enter dense willows bear N. and S.

80.14 The cor. of secs. 22, 23, 26, and 27.

Land mountainous.

Soil sandy and stony; 2nd and 4th rate.

No timber.

Mountainous land, or. land covered with dense undergrowth  
80.14 chs.

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N.  $0^{\circ}02'$  W. bet. secs. 22 and 23

In river bottom; through dense willows

80.50 Leave willows and enter aspen timber and dense under-  
growth bears NW. and SE.; ascend.  
40.00 Set a sandstone 16x8x6 ins. 11 ins. in the ground for  $\frac{1}{4}$

## SUBDIVISION OF T.2 N.R.9 W.

Chains.	<p>sec.cor., marked <math>\frac{1}{4}</math> on W.face; from which</p> <p>An aspen 5 ins.diam.bears N.<math>32^{\circ}30'</math>W.67 lks.dist. marked <math>\frac{1}{2}</math> S 22 B T</p> <p>An aspen 6 ins.diam.bears S.<math>84^{\circ}E.30</math> lks.dist. marked <math>\frac{1}{2}</math> S 23 B T</p>
47.50	<p>Creek, clear mountain stream, 10 lks.wide 6 ins.deep gravelly bottom; course S.<math>45^{\circ}W.</math></p> <p>Enter dense underbrush.</p>
61.50	<p>Leave aspen timber and underbrush bears E.and W.</p> <p>Foot of cliff 50 ft.high bears NW.and E.</p>
61.75	<p>Top of cliff; ascend.</p>
64.75	<p>Enter heavy spruce timber bears E.and W.</p>
80.00	<p>Set a sandstone 20x8x6 ins:15 ins.in the ground for cor. of secs.14,15,22 and 23, marked with 3 notches on S.and 2 notches on N.edge; from which</p> <p>A spruce 16 ins.diam.bears N.<math>41^{\circ}E.43</math> lks.dist. marked T 2 N R 9 W S 14 B T</p> <p>A spruce 20 ins.diam.bears S.<math>45^{\circ}E.35</math> lks.dist. marked T 2 N R 9 W S 23 B T</p> <p>A spruce 14 ins.diam.bears S.<math>70^{\circ}W.104</math> lks.dist. marked T 2 N R 9 W S 22 B T</p> <p>A balsam 8 ins.diam.bears N.<math>15^{\circ}W.15</math> lks.dist. marked T 2 N R 9 W S 15 B T</p> <p>Land mountainous and valley.</p> <p>Soil sandy and rocky; 2nd and 4th rate.</p> <p>Timber aspen, spruce and balsam.</p> <p>Mountain us land, heavily timbered or covered with dense undergrowth 80.00 chs.</p>
40.00	<p>N.<math>88^{\circ}54'E.</math>on a random line bet.secs.14 and 23 Set temp.<math>\frac{1}{4}</math> sec.cor.</p>
80.04	<p>Intersect N.and S.line 10 lks.N.of cor.of secs.15,14, 23 and 24; thence I run</p> <p>S.<math>88^{\circ}58'W.</math>on a true line bet.secs.14 and 23</p>

## SUBDIVISION OF T.3 N.R.9 W.

Chains	Descending abruptly over west slope of mountain; through heavy spruce and aspen timber, and over slide rock and fallen timber.
40.02	<p>Set a sandstone 16x14x12 ins.11 ins.in the ground for <math>\frac{1}{4}</math> sec.cor., marked <math>\frac{1}{4}</math> on N.face; from which</p> <p>An aspen 5 ins.diam.bears N.33°W.8 lks.dist. marked <math>\frac{1}{4}</math> S 14 B T</p> <p>An aspen 4 ins.diam.bears S.35°W.9 lks.dist. marked <math>\frac{1}{4}</math> S 23 B T</p> <p>Continue over steep W.slope.</p>
80.04	<p>The cor.of secs.14,15,22, and 23.</p> <p>Land mountainous.</p> <p>Soil rocky; 4th rate.</p> <p>Timber spruce and aspen.</p> <p>Mountainous land heavily timbered 80.04 chs.</p>
	November 6, 1903.
20.00	November 7, 1903.
40.00	<p>N.0°02'W.betsecs.14 and 15</p> <p>Along steep W.slope of mountain, over rocks and fallen timber; through heavy spruce and scattering aspen and cedar timber.</p> <p>Gulch drains SW;ascend.</p> <p>Set a sandstone 16x12x12 ins.11 ins.in the ground for <math>\frac{1}{4}</math> sec.cor., marked <math>\frac{1}{4}</math> on W.face; from which</p> <p>A cedar 8 ins.diam.bears N.85°W.30 lks.dist. marked <math>\frac{1}{4}</math> S 15 B T</p> <p>A spruce 13 ins.diam.bears S.84°E.58 lks.dist. marked <math>\frac{1}{4}</math> S 14 B T</p>
80.00	<p>Set a sandstone 16x12x8 ins.11 ins.in the ground for cor.of secs.10,11,14, and 15, marked with 4 notches on S.and 2 notches on E.edge; from which</p> <p>An aspen 4 ins.diam.bears N.48°E.145 lks.dist. marked T 2 N R 9 W S 11 B T</p> <p>A balsam 8 ins.diam.bears S.57°E.42 lks.dist.</p>

## SUBDIVISION OF T.2 N.R.9 W.

Chains.	marked T 2 N R 9 W S 14 B T A balsam 5 ins. diam. bears S.13°W.44.1ks.dist. marked T 2 N R 9 W S 15 B T An aspen 4 ins. diam. bears N.66°30'W.17 lks.dist. marked T 2 N R 9 W S 10 B T Land mountainous. Soil rocky; 4th rate. Timber spruce, aspen, and cedar. Mountainous land heavily timbered 80.00 chs.
40.00	N.89°58'E. on a random line bet. secs. 11 and 14 Set temp. $\frac{1}{4}$ sec. cor.
79.96	Intersect N. and S. line at cor. of secs. 11, 12, 13, and 14 Thence I run S.89°58'W. on a true line bet. secs. 11 and 14 Over mountainous land through dense pine timber; descending.
20.00	Gulch drains southerly; ascend.
39.98	Set a sandstone 16x10x10 ins. 11 ins. in the ground, for $\frac{1}{4}$ sec. cor.; marked $\frac{1}{4}$ on N. face; from which A pine 7 ins. diam. bears N.10°E. 40 lks.dist. marked $\frac{1}{4}$ S 11 B T A pine 8 ins. diam. bears S.24°W. 36 lks.dist. marked $\frac{1}{4}$ S 14 B T
43.00	Point of spur projects S.; descend.
79.96	The cor. of secs. 10, 11, 14, and 15. Land mountainous. Soil rocky; 4th rate. Timber pine. Mountainous land heavily timbered 79.96 chs.
	N.0°02'W. bet. secs. 10 and 11: Along steep W. slope of mountain about 20.00 chs. from the bottom; through heavy pine and balsam and small aspen tim

## SUBDIVISION OF T. 28 N, R. 9 E.

Chains	ber over loose rock.
40.00	Set a sandstone 18x10x8 ins. 12 ins. in the ground for $\frac{1}{2}$ sec.cor., marked $\frac{1}{2}$ on W. face; from which A pine 14 ins. diam. bears N. $37^{\circ}$ W. 27 lks. dist. marked $\frac{1}{2}$ S 10 B T
	A pine 9 ins. diam. bears S. $25^{\circ}$ E. 11 lks. dist. marked $\frac{1}{2}$ S 11 B T
45.00	Draw and dry wash drains S. $80^{\circ}$ W.
80.00	Set a sandstone 16x10x5 ins. 11 ins. in the ground for cor. of secs. 2, 3, 10, and 11, marked with 5 notches on S. and 2 notches on E. edge; from which A dead aspen 11 ins. diam. bears N. $30^{\circ}$ E. 27 lks. dist. marked T 2 N R 9 W S 2 B T
	A balsam 10 ins. diam. bears S. $89^{\circ}$ E. 7 lks. dist. P. 27 marked T 2 N R 9 W S 11 B T
	An aspen .6 ins. diam. bears S. $27^{\circ}$ W. 54 lks. dist. marked T 2 N R 9 W S 10 B T
	A dead pine 20 ins. diam. bears N. $25^{\circ}$ W. 42 lks. dist. marked T 2 N R 9 W S 3 B T
	Land mountainous.
	Soil sandy and rocky; 3rd. and 4th rate.
	Timber pine, balsam and aspen.
	Mountainous land heavily timbered 80.00 chs.

November 7, 1903.

	November 18, 1903.
	N. $89^{\circ} 58'$ E. on a random line bet. secs. 2 and 11
40.00	Set temp. $\frac{1}{2}$ sec.cor.
80.02	Intersect N. and S. line 23 lks. N. of cor. of secs. 1, 2, 11 and 12; thence I run
	N. $89^{\circ} 58'$ W. on a true line bet. secs. 2 and 11 over mountainous land through heavy timber; ascending.
10.00	Leave timber bears N. and S.; ascend abruptly.
30.00	Top of spur projects S.; descend over slide rock
40.01	Set a sandstone 18x10x8 ins. 12 ins. in ground for $\frac{1}{2}$ sec.

SUBDIVISION OF T.8 N.R.9 W.

Chains cor., marked  $\frac{1}{4}$  on N.face; and raise a mound of stone 2 ft. base  $1\frac{1}{2}$  ft. high N.of cor. Pits impracticable.  
Descend over slide rock.

50.00 Enter dense pine and scattering aspen timber and dead and fallen timber, bears N.and S.

80.0 The cor.of secs.2,3,10, and 11.  
Land mountainous.  
Soil sandy and rocky; 3rd and 4th rate.  
Timber pine, aspen and balsam.  
Mountainous land 80.02 chs.

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N. $0^{\circ}02'$ W.on a random line bet.sec.2 and 3  
40.00 Set temp. $\frac{1}{4}$  sec.cor.  
86.18 Intersect N.bly.of Tp.3 lbs.E.of cor.or sec.2,3,34 and 35, heretofore unencribed.  
Thence I run  
S. $0^{\circ}03'$ E.on a true line bet.sec.2 and 3  
Over mountainous land; along steep W.slope; over slide rock and through heavy timber.  
46.18 Set a sandstone 18x10x8 ins.18 ins.in the ground for  $\frac{1}{4}$  sec.cor., marked  $\frac{1}{4}$  on W.face; from which  
An aspen A ins.diam.bears W. $9^{\circ}$  lbs.dist.  
marked  $\frac{1}{4}$  S 3 B T  
An aspen 5 ins.diam.bears N. $49^{\circ}20'$ E.24 lbs.dist.  
marked  $\frac{1}{4}$  S 3 B T  
86.18 The cor.of secs.2,3,10, and 11.  
Land mountainous.  
Soil rocky; 4th rate.  
Timber pine, aspen and spruce.  
Mountainous land heavily timbered 86.18 chs.

November 8, 1903.

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November 10, 1903, at the cor.of secns.4,33 and 34 on S.

SUBDIVISION OF T.R. N.R. S. W.

Chains.	bdy. of Tp., which is a porphyry stone 3x9x5 ins. above ground, firmly set and marked and witnessed as described by Deputy Fred Johnson under his contract No. 276, at 4 h.08 m.a.m.l.m.t. I observe Polaris at western elongation and mark the line thus determined by a tack set in a wooden peg driven in the ground 5 chs. N. of my station which is in lat. $40^{\circ}31'33''$ N. long. $110^{\circ}55'$ W., I lay off the azimuth of Polaris $1^{\circ}35.5'$ to the east and mark the meridian thus determined by a cross cut in a stone in place east of the point last established. From this meridian I turn $0^{\circ}02'$ West and run N. $0^{\circ}02'$ W. bet. secs. 33 and 34. Ascending through pine and aspen timber. Top of spur projects E.; descend. Enter heavy pine timber bears N. and W. A pine 8 ins. diam. cut off 6 ft. above ground for $\frac{1}{4}$ sec. cor. I mark $\frac{1}{4}$ S 33 on W. side and 34 on E. side; from which
33.00	A pine 34 ins. diam. bears N. $35^{\circ}$ E. 7 lbs. dist. marked $\frac{1}{4}$ S 34 B T
32.90	A pine 20 ins. diam. bears S. $70^{\circ}$ W. 25 lbs. dist. marked $\frac{1}{4}$ S 33 B T
40.00	Dry wash drains SE.; ascend. Top of ridge bears NW. and SE.; descend abruptly over cliffs. Leave timber bears NW. and SE. Set a sandstone 12x8x4 ins. 8 ins. in the ground for cor. of secs. 27, 28, 33, and 34, marked with 1 notch on S. and 5 notches on E. edge; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high W. of cor. Pits impracticable. Land mountainous. Soil sandy and rocky; 3rd and 4th rate. Timber pine 35.60 chs. Mountainous land 80.00 chs.

## SUBDIVISION OF T.2 N.R.9 W.

Chains	East on a random line bet. secs. 27 and 34
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.24	Intersect N. and S. line 12 lks. N. of the cor. of secs. 26, 27, 34, and 35; thence I run  N. $29^{\circ}55'W$ . on a true line bet. secs. 27 and 34 Ascend along SE. slope of ridge; through aspen timber..
32.00	Top of ridge bears NE. and SW.; descend.
36.00	Bottom of gulch drains NE.; begin steep ascent.
40.00	Top of steep ascent; leave timber bears NE and SW.
40.12	Set a sandstone 16x14x8 ins. 11 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high N. of cor. Pits impracticable.
55.50	Steep descent.
59.00	Creek 5 lks. wide 3 ins. deep, clear water; gravelly bottom, drains NE.; ascend abruptly.
60.30	Top of spur projects NE; thence ascend along NE. slope of ridge over fallen timber and through heavy burned pine timber.
80.24	The cor. of secs. 27, 28, 33, and 34. Land mountainous. Soil sandy and rocky; 3rd and 4th rate. Timber aspen. Mountainous land 80.24 chs.

N.  $0^{\circ}02'W$ . bet. secs. 27 and 28

	Descending abruptly over heavy fallen timber.
4.00	Enter heavy aspen and small pine timber bears NW. and SE.
11.00	To creek 15 lks. wide in bottom of Trail Hollow drains E.
	Ascend,
31.00	Begin very steep ascent.
35.50	Top of ridge 300 ft. above creek, bears E. SE.; descend.
37.50	Gulch drains SE.; ascend.
40.00	Set a sandstone 12x10x5 ins. 8 ins. in the ground for $\frac{1}{4}$

## SUBDIVISION OF T.2 N.R.9 W.

Chains. sec.cor., marked  $\frac{1}{4}$  on W.face; from which

An aspen 6 ins.diam.bears S.79°E.8 lks.dist.

marked  $\frac{1}{4}$  S 27 B T

An aspen 8 ins.diam.bears S.10°W.4 lks.dist.

marked  $\frac{1}{4}$  S 28 B T

50.00 Top of ridge 200 ft.above bottom of gulch bears E.and W.

Descend along E.slope of mountain.

60.00 Hollow drains E.;ascend.

75.00 Top of ridge bears N.85°W.and S.80°E.

Descend abruptly over NE.slope.

80.00 Set a sandstone 14x10x8 ins.in the ground for cor.

of secs.21,22,27, and 28,marked with 2 notches on S.and  
3 notches on E.edge;from which

A pine 18 ins.diam.bears N.51°E.3 lks.dist.

marked T 2 N R 9 W S 22 B T

A pine 10 ins.diam.bears S.16°50'E.12 lks.dist.

marked T 2 N R 9 W S 27 B T

An aspen 10 ins.diam.bears S.44°W.8 lks.dist.

marked T 2 N R 9 W S 28 B T

An aspen 7. ins.diam.bears N.38°W.19 lks.dist.

marked T 2 N R 9 W S 21 B T

Land mountainous.

Soil sandy and rocky 3rd and 4th rate.

Timber pine and aspen.

Mountainous land,heavily timbered 80.00 chs.

November 10,1903.

November 11,1903.

S.89°55'E.on a random line bet.sec.22 and 27

40.00 Set temp. $\frac{1}{2}$  sec.cor.

80.32 Intersect N.and S.line 35 lks.S.of the cor.off secs.22,23  
26 and 27;thence I run

S.89°50'W.on a true line bet.sec.22 and 27

Along river bottom through dense willows.

## SUBDIVISION OF T.2 N.R.9 W.

Chains 20.00	North Fork of DuChesne River, 50 lks.wide,drains SE.
27.00	Leave willows and enter aspen timber;ascend.
38.00	Begin steep ascent.
40.16	Set a sandstone 16x8x6 ins.ll ins.in the ground for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.face;from which  An aspen 4 ins.diam.bears N.63°E.18 lks.dist. marked $\frac{1}{4}$ S 22 B T  An aspen 6 ins.diam.bears S.21°E.24 lks.dist. marked $\frac{1}{4}$ S 27 B T
63.00	Enter pine timber bears NW.and SE.
80.32	The cor.of sec's.21,22,27, and 28.  Land mountainous.  Soil sandy and rocky;3rd and 4th rate.  Timber pine and aspen.  Mountainous land,or land covered with dense undergrowth 80.32 chs.

.0°00'W.bet.sec's.21 and 22

Descending abruptly through heavy pine timber and over fallen timber.

10.00	Draw drains NE.;thence along S.slope of draw.
14.00	Spur projects NE;descend abruptly.
18.00	Draw drains NE.;descend.
40.00	Set a sandstone 18x12x6 ins.ll ins.in the ground for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.face;from which  A pine 10 ins.dia bears N.88°W.21 lks.dist. marked $\frac{1}{4}$ S 21 B T  A pine 11 ins.diam.bears S.72°E.27 lks.dist. marked $\frac{1}{4}$ S 22 B T
50.00	Iron Creek 12 lks.wide,14 ins.deep,rocky bottom;course E.  Leave heavy pine timber and begin steep ascent;through thick aspen and scattering pine timber and dense undergrowth.

## SUBDIVISION OF T.2 N.R.9 W.

Chains.

77.00 Enter thick heavy pine timber bears E. and W.  
80.00 Set a porphyry stone 24x10x6 ins. 18 ins. in the ground g  
for cor. of secs. 15, 16, 21, and 22, marked with 3 notches  
on S. and E. edges; from which

An aspen 6 ins. diam. bears N. 10° E. 64 lks. dist.

marked T 2 N R 9 W S 15 B T

A pine 10 ins. diam. bears S. 36° E. 48 lks. dist.

marked T 2 N R 9 W S 22 B T

An aspen 12 ins. diam. bears S. 72° W. 30 lks. dist.

marked T 2 N R 9 W S 21 B T

A pine 10 ins. diam. bears N. 55° W. 73 lks. dist.

marked T 2 N R 9 W S 16 B T

Land mountainous.

Soil sandy and rocky; 3rd and 4th rate.

Timber pine and aspen.

Mountainous land, heavily timbered 80.00 chs.

N. 89° 50' E. on a random line bet. sec. 15 and 22

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

80.08 Intersect N. and S. line 21 lks. N. of the cor. of secs. 14, 15  
22 and 23; thence I run

S. 89° 59' W. on a true line bet. secs. 15 and 22

Over mountainous land; descend abruptly over large rocks.

11.00 Bottom of steep descent; thence descend gradually through  
heavy pine timber bears N. and S.

29.70 North Fork of DuChesne River 60 lks. wide course S. 5° E.

30.30 Across river and begin very steep ascent over fallen  
timber; through dense undergrowth and heavy pine timber.

40.00 Point for  $\frac{1}{4}$  sec. cor. falls on a rock in place, a sandstone  
4x3x3 ft. above ground, on which

Cut a cross (X) at the corner point for  $\frac{1}{4}$  sec. cor.,  
marked  $\frac{1}{4}$  on N. of cross; from which

A pine 14 ins. diam. bears N. 70° W. 40 lks. dist.

marked  $\frac{1}{4}$  S 15 B T

## SUBDIVISION OF T.2 N.R.9 W.

Chains. A pine 8 ins. diam. bears S.75°E. 35 lks. dist.  
marked  $\frac{1}{4}$  S 22 E T

80.08 The cor. of secs. 15, 16, 21, and 22.  
Land mountainous.  
Soil sandy and rocky 3rd and 4 th rate.  
Timber pine and aspen.  
Mountainous land heavily timbered or covered with dense undergrowth 80.08 chs.

November 11, 1903.

N.0°02'W. bet. secs. 15 and 16  
Ascending over rocks and through thick heavy pine timber  
31.00 Top of ridge 200 ft. above Iron Creek bears NW. and SE.  
Thence along base of cliff 3 lks. west of and parallel to line; over large rocks and through scattering pine timber.

40.00 Set a sandstone 12x12x10 ins. 12 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on W. face;  
Face of cliff is 3 lks. W. of corner; therefore raise a mound of stone 2 ft. base  $1\frac{1}{2}$  ft. high E. of cor. Pits impracticable.

80.00 Set a sandstone 20x16x10 ins. 15 ins. in the ground for cor. of secs. 9, 10, 15, and 16, marked with 4 notches on S. and 3 notches on E. edges; and raise a mound of stone 2 ft. base  $1\frac{1}{2}$  ft. high W. of cor. Pits impracticable.  
Land mountainous.  
Soil rocky; 4th rate.  
Timber pine.  
Mountainous land 80.00 chs.

N.89°59'E. on a random line bet. secs. 10 and 15  
40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
80.00 Intersect N. and S. line, 2 lks. N. of the cor. of secs. 10, 11,

SUBDIVISION OF T.2 N.R.9 W.

Chains 14 and 15; thence I run.

West on a true line bet. secs. 10 and 15

Descending over steep and rocky west slope; through heavy pine and aspen timber.

24.80 North Fork of Duchesne River 50 lks. wide, course S.

Leave timber bears N. and S.

25.30 Across river; ascend gradually.

38.00 Enter heavy pine and aspen timber.

Begin very steep and rocky ascent bears N. and S.

40.00 Set a sandstone 24x18x8 ins. 18 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on N. face; from which

An aspen 12 ins. diam. bears N. 15° E. 45 lks. dist.

marked  $\frac{1}{4}$  S 10 B T

A pine 10 ins. diam. bears S. 21° W. 46 lks. dist.

marked  $\frac{1}{4}$  S 15 B T

70.00 Cliff 80 ft. high bears N. and S.

80.00 The cor. of secs. 9, 10, 15, and 16.

Land mountainous.

Soil sandy and rocky; 3rd and 4th rate.

Timber pine and aspen..

Mountainous land 80.00 chs.

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N. 0°02' W. bet. secs. 9 and 10'

Descending over large rocks and through heavy pine timber.

7.65 Top of perpendicular cliff 40 ft. high bears NW and SE.

18.00 Bottom of gulch, 550 ft. below top of cliff, drains E.  
Ascend abruptly.

27.20 Cliff 60 ft. high bears N. and W.; thence across flat spur  
which is 350 ft. above gulch.

31.00 Top of cliff 60 ft. high bears NW. and SE.  
Leave timber.

40.00 Set a sandstone 17x11x8 ins. 11 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on W. face; and raise a mound of stone

## SUBDIVISION OF T.2 N.R.9 W.

- Chains. 2 ft. base  $1\frac{1}{2}$  ft. high W.of cor.Pits impracticable.
- 55.00 Draw 350 ft. deep,drains E.;ascend abruptly over fine rock.
- 77.90 Perpendicular cliff 50 ft. high bears N.and W.  
Descend.
- 80.00 Set a sandstone 16x12x10 ins.11 ins.in the ground for cor.of secs.3,4,9, and 10,marked with 5 notches on S.and 3 notches on E.edge;and raise a mound of stone 2 ft.base  $1\frac{1}{2}$  ft. high W.of cor.Pits impracticable.  
Land mountainous.  
Soil rocky;4th rate.  
Timber pine.  
Mountainous land 80.00 chs.

November 12,1903.

November 13,1903.

East on a random line bet.secs.3 and 10

- 28.66 To edge of beaver pond bears N.and S.,triangulation point;set temporary witness corner.
- 40.00 Point for  $\frac{1}{2}$  sec.cor.falls in pond;to determine distance across the pond I set a flag on line on the N.edge of the pond;then measure a base line south 15.00 chs. to a point,whence the flag bears N. $42^{\circ}17'$ E. From the flag the south end of the base bears S. $42^{\circ}17'$ W.;by separate measurements of each angle they are found respectively  $90^{\circ}42^{\circ}17'$ ,and  $47^{\circ}43'$ ;therefore I compute the distance as follows: Base x tan  $42^{\circ}17'$  or  $15.00 \times 0.90640 = 17.04$  chs.;also 28.66 plus 13.64 chs>equals
- 42.30 To east side of pond;set temp.witness corner.
- 80.30 Intersect N.and S.line 16 lks.S.of the cor.of sec.8,9,10, and 11;thence I run  
S. $89^{\circ}53'$ W.on a true line bet.secs.7 and 10  
Descend abruptly over west slope and through heavy pine and aspen timber.

## SUBDIVISION OF T.2 N.R.9 W.

Chains 36.50	To North Fork of DuChesne River 50 lks.wide, course S.
57.00	Across river.
38.00	Set a sandstone 14x10x8 ins.9 ins.in the ground for witness.cor.to $\frac{1}{4}$ sec.cor.,marked W C $\frac{1}{4}$ on N.face;from which
	An aspen 10 ins.diam.bears N. $3^{\circ}$ E.100 lks.dist. marked W C $\frac{1}{4}$ S 3 B T
	A pine 12 ins.diam.bears S. $10^{\circ}$ E.86 lks.dist. marked W C $\frac{1}{4}$ S 10 B T
51.10	To east edge of beaver pond bears N.and S.
51.64	Across pond to west edge bears N.and S.,and begin steep and rocky ascent through heavy pine and aspen timber and thick underbrush.
	Set a sandstone 18x8x6 ins.12 ins.in the ground for witness corner to $\frac{1}{4}$ sec.cor.,marked W C $\frac{1}{4}$ on N.face; from which
	An aspen 6 ins.diam.bears N. $5^{\circ}$ W.62 lks.dist. marked W C $\frac{1}{4}$ S 3 B T
	A pine 8 ins.diam.bears S. $20^{\circ}$ W.87 lks.dist. marked W C $\frac{1}{4}$ S 10 B T
80.30	The cor.of secs.3,4,9, and 10.
	Land mountainous.
	Soil sandy and rocky;3rd and 4th rate.
	Timber pine and aspen 67.20 chs.
	Mountainous or heavily timbered land 80.30 chs.
40.00	N. $0^{\circ}02'$ W.bn a random line bet.secs.3 and 4 Set temp. $\frac{1}{4}$ sec.cor.
86.05	Intersect N.bdy.of Tp.6 lks.E.of the cor.of secs.3,4,33 and 34,heretofore described;thence I run S. $0^{\circ}04'$ E.on a true line bet.secs.3 and 4
	Over mountainous land;descending through heavy timber.
18.00	Draw drains S. $70^{\circ}$ E.;ascend.
35.00	Ascend abruptly over glide rock.

SUBDIVISION OF T.3 N.R.9 W.

Chain  
46.05 Set a sandstone 14x8x6 ins.9 ins.in the ground for  $\frac{1}{4}$  sec.cor.,marked  $\frac{1}{4}$  on W.facé;from which  
A pine 18 ins.diam.bears N.8°11'W.23 lks.dist.  
S 3 B T  
A pine 10 ins.diam.bears N.45°50'W.23 lks.dist.  
marked  $\frac{1}{4}$  S 4 B T  
54.50 Spur projects N.70°E.;descend.  
74.00 Draw draw N.E.;ascend;leave timber.  
86.05 The cor.of secs.3,4,9,nd 10.  
Land mountinous.  
Soil rocky;4th rate.  
Timber pine.  
Mountainous or heavily timbered land 86.05 chs.

November 13,1903.

November 14,1903.

From the cor.of secs.4,5,32,nd 33 on S.hly.of Tp.,  
which is a limestone 8x4x5 ins.above ground firmly set  
by marked and witnessed as described by Deputy Fred  
Johnson under his contract No.376,I run

7.0°03'W,bet.secns.32 and 33

Ascending over mountinous land;through pine timber.

12.60 Top of dividing ridge bears NE. and SW.,  
Intersect West Boundary of the Uintah Indian Reservation  
Set a sandstone 14x8x6 ins.18 ins.in the ground for  
closing cor.of secns.32 and 33,marked CCUIR on S.,4  
grooves on E.and UFR on N.faces;from which  
A pine 10 ins.diam.bears S.82°W.55 lks.dist.  
marked T 2 N R 9 W S 32 B T  
A pine 10 ins.diam.bears S.45°30'E.55 lks.dist.  
marked T 2 N R 9 W S 33 B T  
From the closing cor.the half-mile corner between mile  
posts Nos.170 and 171 on the boundary as established by  
Deputies A.H.and F.M.Brown under their contract No.264

SUBDIVISION OF T.2 N.R.9 W.

Chains	bears S.52°45'W.1.05 lks.dist. I continue N.0°03'W.on a blank line; descending through heavy timber.
19.10	Wagon road bears E.and W..
25.00	Head of hollow drains westerly;ascend.
33.25	Top of dividing ridge bears E.and W. Intersect West Boundary of the Uintah Indian Reservation Set a sandstone 24x16x5 ins.18 ins.in the ground for closing cor.of secs.32 and 33,marked CCUIR with 6 grooves on N.,4 grooves on E.and UFR on S.faces;from which
	A pine 16 ins.diam.bears N.32°W.84 lks.dist. marked T 2 N R 9 W S 32 B T
	A pine 9 ins.diam.bears N.33°20'E.44 lks.dist. mark d T 2 N R 9 W S 33 B T
	From the closing cor.the 171st mile cor.on the boundary as established by Deputies A.H.and F.M.Brown under their contract No.264 bears N.81°00'W.30 lks dist. Thence I continue
	N.0°03'W.on true line bet.sec.32 and 33 Along E.slope of ridge through heavy timber.
40.00	Set a porphyry stone 18x12x4 ins.12 ins.in the ground for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.face;from which
	A pine 24 ins.diam.bears E.81 lks.dist. marked $\frac{1}{4}$ S 33 B T
	A pine 18 ins.diam.bears S.42°W.19 lks.dist. marked $\frac{1}{4}$ S 32 B T
51.50	Leave timber.
63.00	Ascend.
69.00	Enter timber bears E.and W..
80.00	Set a sandstone 19x5x12 ins.15 ins.in the ground for cor.of secs.28,29,32, and 33,marked with 1 notch on S. and 4 notches on E.edge;from which
	A pine 4 ins.diam.bears N.34°E.73 lks.dist. marked T 2 N R 9 W S 28 B T

## SUBDIVISION OF T.2 N.R.9 W.S.

Chains.	A pine 8 ins.diam.bears S.57°E.48 lks.dist. marked T 2 N R 9 W S 33 B T A pine 6 ins.diam.bears S.41°W.75 lks.dist. marked T 2 N R 9 W S 32 B T A pine 5 ins.diam.bears N.53°W.33 lks.dist. marked T 2 N R 9 W S 29 B T Land mountainous. Soil rocky and sandy 2nd and 4th rate. Timber pine. Mountainous land 59.35 chs.
40.00	East on a random line betsecs.28 and 33 Set temp. $\frac{1}{4}$ sec.cor.
80.00	Intersect N.and S.line at the cor.of secs.27,28,33, and 34; thence I run West on a true line betsecs.28 and 33 Ascending along N.slope.
27.00	Head of draw drains NE.; ascend. Enter aspen timber bears NE. and SW.
36.00	Top of spur projects NE.; descend. Leave aspen and enter heavy pine tim or bears NE. and SW.
40.00	Set a limestone 18x12x10 ins.12 ins.in the ground for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N.face; from which A pine 10 ins.diam.bears N.62°W.59 lks.dist. marked $\frac{1}{4}$ S 28 B T
	A pine 19 ins.diam.bears S.30°W.150 lks.dist. marked $\frac{1}{4}$ S 33 B T
41.50	Draw drains NE.; ascend abruptly.
50.00	Top of spur projects NE.; descend abruptly.
56.00	Draw drains NE.; ascend.
66.00	Top of ridge bears SE. and NW.; descend.
80.00	The cor.of secs.28,29,32, and 33. Land mountainous. Soil rocky 3rd and 4th rate.

SUBDIVISION OF T.3 N.R.9 W.

Chains

Timber pine and aspen.

Mountainous or heavily timbered land 80.00 chs.

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Knowing that the line bet. secs. 29 and 32 will intersect the West Boundary of the Uintah Indian Reservation, I run West on a true line bet. secs. 29 and 32.

Ascending through pine timber.

19.25 Top of dividing ridge bears N. and S.

Intersect West Boundary of the Uintah Indian Reservation; Set a sandstone 24x18x8 ins. 18 ins. in the ground for closing cor. of secs. 29 and 32, marked CCUIR with 4 groove on E. l. groove on S. and UFR on W. faces; from which A pine 8 ins. diam. bears S.73°E. 118 lks. dist.

marked T 3 N R 9 W S 32 R T

No other bearing trees within limits; raise a mound of stone 2 ft. base  $1\frac{1}{2}$  ft. high E. of cor.

Pits impracticable.

From the closing cor. the 172d mile cor. on the boundary as established by Deputies A.H. and F.M. Brown under their contract No. 264, bears N.40°45'W. 7.07 chs. dist.

Land mountainous.

Soil rocky; 4th rate.

Timber pine 19.25 chs.

Mountainous land heavily timbered 19.25 chs.

November 14, 1903.

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From cor. to secs. 28, 29, 32, and 33 I run

N.0°03'W. bet. secs. 28 and 29

Ascending gradually over rocky rolling ground; through pine timber.

16.00 Top of ridge bears N.30°W. and S.30°E.; descend.

23.50 Draw drains N.; ascend.

29.00 Spur projects E.; descend.

## SUBDIVISION OF T.2 N.R.9 W.

Chains.

- 34.00 Leave timber bears NW. and SE.
- 36.00 Trail in bottom of Trail Hollow bears N. $70^{\circ}$ W and S. $70^{\circ}$ E.  
Gulch drains S. $70^{\circ}$ E.
- 37.00 Commence steep rocky ascent.
- 38.00 Enter pine timber bears NW and SE.
- 40.00 Set a porphyry stone 15x10x6 ins. 10 ins. in the ground  
for  $\frac{1}{2}$  sec cor.; marked  $\frac{1}{4}$  on W. face; from which  
A pine 9 ins. diam. bears E. $30^{\circ}$  1ks. dist.  
marked  $\frac{1}{4}$  S 28 B T
- A pine 6 ins. diam. bears N. $31^{\circ}$ W. 42 lks. dist.  
marked  $\frac{1}{4}$  S 29 B T
- 44.00 Top of spur projects S. $80^{\circ}$ E.; descend.
- 49.00 Draw drains SE.; ascend.
- 80.00 Set a limestone 20x8x4 ins. 15 ins. in the ground for  
cor. of secs. 20, 21, 22, and 29, marked with 2 notches on S.  
and 4 notches on E. edges; from which  
A pine 6 ins. diam. bears N. $36^{\circ}$ E. 65 lks. dist.  
marked T 2 N R.9 W S 21 B T
- A pine 9 ins. diam. bears S. $60^{\circ}$ E. 40 lks. dist.  
marked T 2 N R.9 W S 22 B T
- A pine 18 ins. diam. bears S. $70^{\circ}$ W. 187 lks. dist.  
marked T 2 N R.9 W S 29 B T
- A pine 8 ins. diam. bears N. $42^{\circ}$ W. 112 lks. dist.  
marked T 2 N R.9 W S 20 B T
- Land mountainous.
- Soil sandy and stony; 3rd and 4th rate.
- Timber pine.
- Mountainous land 80.00 chs.
- 
- East on a random line bet. secs. 21 and 28
- 31.30 Set temp. witness cor. for  $\frac{1}{2}$  sec. cor.
- 31.50 Top of cliff 400 ft. high; offset as follows:  
South 8.00 chs.; thence E' 18.50 chs.; thence north 8.00  
chs.
- 50.00 Set temp. witness cor. for  $\frac{1}{2}$  sec. cor.

SUBDIVISION OF T.2 N.R.9 W.

- Chains  
80.10 Intersect N. and S. line 2 lks. S. of the cor. of secs. 21, 22  
27, and 28; thence I run  
S.89°59'W. on a true line bet. secs. 21 and 28  
Descending through heavy pine timber.  
6.00 Draw drains NE.; ascend.  
13.00 Top of spur projects NE.; descend.  
22.00 Draw drains NE.; ascend.  
30.00 Top of high spur projects N.  
Set a limestone 16x8x6 ins. 11 ins. in the ground for  
witness cor. to  $\frac{1}{4}$  sec. cor., marked W C  $\frac{1}{4}$  on N. face; from  
which  
A pine 8 ins. diam. bears N.4°E. 14 lks. dist.  
marked W C  $\frac{1}{4}$  S 21 B T  
A pine 6 ins. diam. bears S.10°E. 30 lks. dist.  
marked W C  $\frac{1}{4}$  S 28 B T  
Corner on E. edge of slide rock impossible to chain;  
Offset as follows: S.8.00 chs.; thence S.89°59'W. 18.50  
chs.; thence north 8.00 chs.  
48.50 Top of cliff 400 ft. high; enter heavy pine timber bears  
NW and SE.  
Set a limestone 18x8x4. ins. 12 ins. in the ground for wit-  
ness cor. to  $\frac{1}{4}$  sec. cor., marked W C  $\frac{1}{4}$  on N. face; from which  
A pine 6 ins. diam. bears N.85°W. 27 lks. dist.  
marked W C  $\frac{1}{4}$  S 21 B T  
A pine 10 ins. diam. bears S.37°W. 100 lks. dist.  
marked W C  $\frac{1}{4}$  S 28 B T  
Thence ascend through heavy pine timber.  
65.00 Top of ridge bears NW. and SE.  
Descend.  
80.10 The cor. of secs. 20, 21, 28, and 29.  
Land mountainous.  
Soil sandy and rocky; 3rd and 4th rate.  
Timber pine.  
Mountainous or heavily timbered land 80.10 chs.

## SUBDIVISION OF T.2 N.R.9 W.

Chains N.0°03'W.bet.secs.20 and 21  
 Ascend through pine timber.  
 29.00 Top of ridge bears N.85°W.and S.85°E.  
 Leave timber bears E.and W.  
 Descend abruptly over slide rock.  
 40.00 Set a sandstone 18x8x6 ins.12 ins.in the ground for  $\frac{1}{4}$   
 sec.cor.,marked  $\frac{1}{4}$  on W.face;and raise a mound of stone  
 2 ft.base 1 $\frac{1}{2}$  ft.high W.of cor.Pits impracticable.  
 45.00 Enter pine timber bears E.and W.  
 50.00 Bottom of steep descent and slide rock bears E.and W.  
 Thence over rolling ground.  
 60.00 Iron Creek 5 lks.wide 4 ins.deep,course E.;ascend ab-  
 ruptly.  
 71.00 Top of very steep ascent.  
 80.00 Set a porphyry stone 17x7x6 ins.12 ins.in the ground  
 for cor.of secs.16,17,20, and 21,marked with 3 notches  
 on S.and 4 notches on E.edge;from which  
 A pine 10 ins.diam.bears N.66°E.35 lks.dist.  
 marked T 2 N R 9 W S 16 B T  
 A pine 9 ins.diam.bears S.14°E.18 lks.dist.  
 marked T 2 N R 9 W S 21 B T  
 A pine 4 ins.diam.bears S.32°W.30 lks.dist.  
 marked T 2 N R 9 W S 20 B T  
 A pine 5 ins.diam.bears N.72°W.31 lks.dist.  
 marked T 2 N R 9 W S 17 B T  
 Land mountainous.  
 Soil sandy and rocky;3rd and 4th rate.  
 Timber pine.  
 Mountainous land 80.00 chs.

Nov.15,1903.

Nov.16,1903.

II.88°59'E.on a random line bet.secs.16 and 21  
 40.00 Set temp. $\frac{1}{2}$  sec.cor.

## SUBDIVISION OF T.2 N.R.9 W.

Chains 80.00	Intersect N. and S. line 2 iks. N. of the cor. of secs. 15, 16, 21 and 22; thence I run west on a true line bet. secs. 16 and 21 Ascend through heavy pine and aspen timber.
18.00	Spur projects SE.; descend abruptly over rocks on S. slope.
33.00	Draw drains SE.; ascend. Set a porphyry stone 34x12x8 ins. 18 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which A pine 14 ins. diam. bears N. 20° W. 64 lks. dist. marked $\frac{1}{4}$ S 16 B T A pine 15 ins. diam. bears S. 32° E. 27 lks. dist. marked $\frac{1}{4}$ S 21 B T
50.00	Top of ridge or rock bears N. and S. Descend abruptly.
54.00	Bottom of descent; thence over rolling ground rising gradually.
77.00	Spur projects SE.; descend.
80.00	The cor. of secs. 16, 17, 20, and 21. Land mountainous. Soil sandy and rocky; 3rd and 4th rate. Timber pine and aspen. Mountainous or heavily timbered land 80.00 chs.

## N. 0°03' W. bet. secs. 16 and 17

Ascending through heavy pine timber.

4.00	Small spur projects W.; descend.
5.30	Branch 5 lks. wide course SW.
14.00	Branch 5 lks. wide, course SW.
17.00	Course gradual ascent.
19.00	Set a porphyry stone 16x8x6 ins. 11 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which A pine 5 ins. diam. bears N. 45° W. 53 lks. dist. marked $\frac{1}{4}$ S 17 B T A pine 8 ins. diam. bears N. 66° E. 27 lks. dist. marked $\frac{1}{4}$ S 16 B T

## SUBDIVISION OF T.2 N.R.9 W.

Chains.

- 80.00 Set a porphyry stone 24x8x7 ins.18. ins.in the ground for cor.of secs.8,9,16, and 17,marked with 4 notches on S. and E.edges;from which
- A pine 7 ins.diam.bears N.50°E.49 lks.dist.  
marked T 2 N R 9 W S 9 B T
- An aspen 8 ins.diam.bears S.54°E.19 lks.dist.  
marked T 2 N R 9 W S 16 B T
- A pine 4 ins.diam.bears S.63°W.56 lks.dist.  
marked T 2 N R 9 W S 17 B T
- An aspen 9 ins.diam.bears N.30°W.70 lks.dist.  
marked T 2 N R 9 W S 8 B T
- Land mountainous.
- Soil sandy and rocky;3d and 4th rate.
- Timber pine and aspen.
- Mountainous land,heavily timbered 80.00 chs.

Rest on a random line betsecs.9 and 16

- 40.00 Set a prop.1 sec.cor.
- 80.15 Intersect N.and S.line 8 lks.S.of the cor. of secs.9,10, 15 and 16;thence I run  
S.85°57'W.on a true line betsecs.9 and 16
- Ascend over cliffs.
- 2.00 Top of cliffs 30 ft.high bears N.and S.
- 5.00 Enter heavy pine timber bears N.and S.
- 35.00 Top of ridge 300 ft.above corner bears NW.and SE.;descend.
- 40.07 Set a sandstone 20x6x5 ins.15 ins.in the ground for  $\frac{1}{2}$  sec.cor.,marked  $\frac{1}{2}$  on N.face;from which
- A pine 7 ins.diam.bears S.56°E.37 lks.dist.  
marked  $\frac{1}{2}$  3 16 B T
- A pine 6 ins.diam.bears N.52°W.18 lks.dist.  
marked  $\frac{1}{2}$  3 9 B T
- 80.15 The cor.of secs.8,9,16, and 17.
- Land mountainous.
- Soil sandy and rocky;3rd and 4th rate.

## SUBDIVISION OF T.2 N.R.9 W.

Chains

Timber pine.

Mountainous land or heavily timbered land 80.15 chs.

November 16, 1903.

November 17, 1903.

N.0°03'W.bet.sec.8 and 9

Over mountainous land; ascending through pine and aspen timber.

- 4.00 Leave aspen timber bears NW. and SE.
- 20.00 Spur projects SE.; descend.
- 32.00 Descend abruptly.
- 40.00 Set a sandstone 15x8x6 ins. 10 ins. in the ground for  $\frac{1}{4}$  sec.cor., marked  $\frac{1}{4}$  on W.face; from which  
 A pine 20 ins. diam. bears N.21°W. 50 lks. dist.  
 marked  $\frac{1}{4}$  S 8 B T  
 A pine 12 ins. diam. bears S.73°E. 24 lks. dist.  
 marked  $\frac{1}{4}$  S 9 B T
- 49.75 Bottom of gulch; creek 8 lks. wide drains E.; ascend.
- .75.00 Spring branch 2 lks. wide drains SE.
- 80.00 Set a sandstone 16x12x6 ins. 11 ins. in the ground for cor of secs. 4, 5, 8, and 9, marked with 5 notches on S. and 4 notches on N. edge; from which  
 A pine 10 ins. diam. bears N.54°E. 230 lks. dist.  
 marked T 2 N R 9 W S 4 B T  
 A pine 13 ins. diam. bears S.28°E. 197 lks. dist.  
 marked T 2 N R 9 W S 9 B T  
 A pine 12 ins. diam. bears S.70°E. 80 lks. dist.  
 marked T 2 N R 9 W S 8 B T  
 A pine 9 ins. diam. bears N.55°W. 128 lks. dist.  
 marked T 2 N R 9 W S 5 B T
- Land mountainous.
- Soil sandy and rocky.
- Timber pine.
- Mountainous land heavily timbered 80.00 chs.

SUBDIVISION OF T.2 N.R.9 W.

Chains	N. $89^{\circ}57' E.$ on a random line bet. secs. 4 and 9
40.00	Set temp. $\frac{1}{4}$ sec.cor.
80.10	Intersect N. and S. Line 16 lks. N. of cor. of secs. 3, 4, 8, and 10; thence I run N. $89^{\circ}56' W.$ on a true line bet. secs. 4 and 9 over mountainous land; ascending.
26.00	Head of draw drains NE.
	Ascend; enter pine timber.
40.05	Point for $\frac{1}{4}$ sec.cor. falls on rock in place, a sandstone 6x8x10 ins. above ground, on which Cut a cross (X) at the corner point for $\frac{1}{4}$ sec.cor., marked $\frac{1}{2}$ on N. side of cross; from which A pine 16 ins. diam. bears S. $21^{\circ}W.$ 16 lks. dist. marked $\frac{1}{2}$ S 9 B T
	A pine 15 ins. diam. bears N. $25^{\circ}E.$ 18 lks. dist. marked $\frac{1}{2}$ S 4 B T
54.00	Spur projects SE.; descend gradually.
80.10	The cor. of secs. 4, 5, 8, and 9. Land mountainous. Soil stony; 4th rate. Timber pine. Mountainous or heavily timbered land 80.10 chs.

Knowing that the line bet. secs. 5 and 8 will intersect  
the W. bdy. of the Uintah Indian Reservation I run

West on a true line bet. secs. 5 and 8

Ascending gradually through heavy pine timber.

4.00	Small spur project: SE.; descend.
16.00	Spring branch 4 lks. wide drains SE.; ascend.
27.00	Ascend abruptly.
40.00	Set a sandstone 18x12x6 ins. 12 ins. in the ground for $\frac{1}{4}$ sec.cor., marked $\frac{1}{2}$ on N. face; from which A pine 10 ins. diam. bears N. $45^{\circ}W.$ 28 lks. dist. marked $\frac{1}{2}$ S 5 B T

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## SUBDIVISION OF T.2 N.R.9 W.

Chains      marked  $\frac{1}{4}$  S 5 B T

85.80      The cor.of secs.4,5,8.and 9.  
Land mountainous.  
Soil rocky;4th rate.  
Timber pine.  
Mountainous land heavily timbered 85.80 chs.

November 18,1903.

November 19,1903:

Knowing that the line bet.sec.29 and 30 will intersect the west boundary of the Uintah Indian Reservation;and that sec:29 will be fractional,

I begin at the cor.of secs.20,21,28, and 29 heretofore described and run

West on a true line betsecs.20 and 29

Descending through pine timber.

20.00      Draw drains SW.;ascend.

40.00      Set a limestone 18x6x6 ins.12 ins.in the ground for  $\frac{1}{4}$  sec.cor.,marked  $\frac{1}{4}$  on N.face;from which  
A pine 8 ins.diam.bears N.9°W.62 lks.dist.  
marked  $\frac{1}{4}$  S 20 B T  
A pine 6 ins.diam.bears S.12°W.88 lks.dist.  
marked  $\frac{1}{4}$  S 29 B T

41.00      Spur projects SE.;descend.

55.00      Leave timber bears NW and SE.

80.00      Set a porphyry stone 17x8x8 ins.12 ins.in the ground for cor.of secs.19,20,29, and 30,marked with 2 notches on S. and 5 notches on E.edge;and raise a mound of stone 2 ft. base  $1\frac{1}{2}$  ft.high N.of cor.Pits impracticable.  
Land mountainous.  
Soil sandy and rocky;3rd and 4th rate.  
Timber pine.  
Mountainous or heavily timbered land 80.00 chs.

SUBDIVISION OF T.2 N.R.9 W.

Chains

Knowing that the line bet.secs.29 and 30 will intersect the west boundary of the Uintah Indian Reservation I run

S.0°04'E.on a true line bet.secs.29 and 30

Descending abruptly over mountainous land.

2.00 Bottom of Trail Hollow drains SE.;ascend.

7.00 Enter heavy pine timber bears NW.and SE.

19.00 Leave timber bears NW.and SE.

19.52 Top of dividing ridge bears NW.and SE.

Intersect the West Boundary of the Uintah Indian Reservation,

Set a sandstone 24x18x8 ins.18 ins.in the ground for closing cor.of secs.29 and 30,marked CCUIR with 4 grooves on N.,5.grooves on E.and UFR on S.face;from which A pine 15 ins.diam.bears N.40°E.57 lks.dist.

marked T 2 N R 9 W S 29 B T

A pine 5 ins.diam.bears N.36°W.100 lks.dist.

marked T 2 N R 9 W S 30 B T

From this closing corner the 173d mile cor.on the boundary as established by Deputies A.H.and F.M.Brown under their contract No.264 bears S.61°45'E.15.25 chs. Land mountainous.

Soil sandy and stony;3d rate.

Timber pine

Mountainous or heavily timbered land 19.52 chs.

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Knowing that the line bet.secs.19 and 30 will intersect west boundary of Uintah Indian Reservation I run

West on a true line bet.secs.19 and 30

Descending over mountainous land.

2.40 Bottom of Trail Hollow drains SE.;ascend.

22.00 Enter heavy pine timber bears NW.and SE.

25.25 Top of dividining ridge bears NW.and SE.

This is the last boundary of the Uintah Indian Reservation

## SUBDIVISION OF T.2 N.R.9 W.

Chains. Intersect west boundary of the Uintah Indian Reservation  
Set a sandstone 24x17x8 ins.18 ins.in the ground for  
closing corner of secs.19 and 30,marked CCUIR with 5  
grooves on E.2 grooves on S.and UFR on W.faces;from which  
A pine 16. ins.diam.bears N.33°E.119 lks.dist.  
marked T 2 N.R 9 W S 19 B T  
A pine 7 ins.diam.bears S.52°E.85 lks.dist.  
marked T 2 N R 9 W S 30 B T  
From the closing cor.the half-mile cor.bet.mile posts  
Nos.173 and 174 on the boundary as established by Dep-  
uties A.H.and F.M.Brown.under their contract No.264  
bears as follows:  
S.8°15'E.1.60 chs.;thence  
S.54°00'E.6.00 chs.to half-mile cor.bet.mile posts  
Nos.173 and 174.  
Land mountainous.  
Soil sandy and rocky;3rd.and 4th rate.  
Timber.pine.  
Mountainous or heavily timbered land 25.15 chs.

From the cor.of secs.19,20,29, and 30 I run  
N.0°04'W.betsecs.19 and 20  
Ascending over mountainous land.  
19.00 Enter heavy pine timber bears E.and w.  
20.00 Top of ridge bears SE.and NW.;descend abruptly.  
40.00 Set a porphyry stone 18x8x6 ins.12 ins.in the ground for  
 $\frac{1}{4}$  sec.cor.,marked  $\frac{1}{4}$  on W.face;from which  
A pine 8 ins.diam.bears N.37°W.30 lks.dist.  
marked  $\frac{1}{4}$  S 19 B T  
A pine 6 ins.diam.bears N.70°E.45 lks.dist.  
marked  $\frac{1}{4}$  S 20 B T  
51.00 Bottom of Iron Creek ravine;creek 4 lks.wide 3 ins.deep,  
course S.85°E.;ascend.  
Leave pipe;enter heavy aspen timber bears E.and W.

## SUBDIVISION OF T.2 N.R.9 W.

Chains 69.00	Leave aspen and enter pine timber bears E. and W.
72.00	Spur projects SE.; descend.
77.00	Draw drains SE.; ascend..
80.00	Set a porphyry stone 20x10x3 ins. 15 ins. in the ground for cor. of secs. 17, 18, 19, and 20, marked with 3 notches on S. and 5 notches on E. edge; from which  A pine 5 ins. diam. bears N. 35° E. 86 lks. dist. marked T 2 N R 9 W S 17 B T  A pine 8 ins. diam. bears S. 21° E. 118 lks. dist. marked T 2 N R 9 W S 20 B T  A pine 7 ins. diam. bears S. 21° W. 58 lks. dist. marked T 2 N R 9 W S 19 B T  A pine 6 ins. diam. bears N. 19° W. 87 lks. dist. marked T 2 N R 9 W S 18 B T  Land mountainous.
	Soil sandy and rocky; 3rd and 4th rate. Timber pine and aspen. Mountainous or heavily timbered land 80.00 chs.
	November 19, 1903.

November 20, 1903.

40.00	East on a random line bet. secs. 17 and 20 Set temp. $\frac{1}{4}$ sec. cor.
80.01	Intersect N. and S. line 3 lks. N. of the cor. of secs. 16, 17, 20 and 21; thence I run  N. 89° 59' W. on a true line bet. secs. 17 and 20 Descending through heavy pine and aspen timber.
5.00	Bottom of draw; spring branch 4 lks. wide 4 ins. deep, course S.; ascend over rolling country.
40.00	Set a sandstone 18x10x6 ins. 12 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which  A pine 6 ins. diam. bears N. 11° E. 18 lks. dist. marked $\frac{1}{4}$ S 17 B T  A pine 6 ins. diam. bears S. 40° W. 72 lks. dist. marked $\frac{1}{4}$ S 20 B T

## SUBDIVISION OF T18 N.R.9 W.

Chains 71.00	Draw drains SE.;ascend.
79.00	Small spur projects SE.;descend.
80.01	The cor.of secs.17,18,19.and 20.  Land mountainous.  Soil sandy and rocky;3d and 4th rate.  Timber pine and aspen.  Mountainous or heavily timbered land 80.01 chs.

Knowing that secs.18 and 19 are both made fractional by the west boundary of the Uintah Indian Reservation,I run

West on a true line bet.secs.18 and 19

Descending through heavy pine timber.

5.00	Draw drains SE.;ascend.
28.00	Spur projects S.60°E.;thence along S.slope.
40.00	Set a limestone 14x8x5 ins.9 ins.in the ground for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;from which  A pine 6 ins.diam.bears N.67°E.10 lks.dist. marked $\frac{1}{4}$ S 18 B T
	A pine 7 ins.diam.bears S.13°E.113 lks.dist. marked $\frac{1}{4}$ S 19 B T

45.00 Leave heavy pine;enter heavy aspen and scattering pine timber bears N.and S.

I make proper allowance for convergency and at

79.69 Set a porphyry stone 24x12x4 ins.18 ins.in the ground for cor. of secs.13,18,19, and 24,marked with 3 notches on N.and S.edges;from which

A pine 8 ins.diam.bears N.79°E.50 lks.dist.

marked T 2 N R 9 W S 18 B T

A pine 6 ins.diam.bears N.42°W.94 lks.dist.

marked T 2 N R 10 W S 13 B T

No other bearing trees within limits;raise a mound of stone 3 ft.base 1 $\frac{1}{2}$  ft.high W.of cor.Pits impracticable.

Land mountainous.

Soil sandy and rocky;3d and 4th rate.

## SUBDIVISION OF T12 N.R.9 W.

Chains. Timber pine and aspen.  
Mountainous or heavily timbered land 79.69 chs.  
Nov. 20, 1903.

November 22, 1903.

From cor. of secs. 17, 18, 19, and 20, I run  
N.0°04'W. bet. secs. 17 and 18

Ascending through heavy pine timber.

- 6.00 Spur projects SE.; descend.
- 20.00 Draw drains SE.; ascend.
- 24.00 Spur projects SE.; descend.
- 35.00 Draw; branch 1 lk. wide 1 ins. deep, course SE.; ascend.
- 40.00 Set a porphyry stone 19x8x8 ins. 14 ins. in the ground for  
 $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on W. face; from which  
A pine 14 ins. diam. bears N.78°E. 24 lks. dist.  
marked  $\frac{1}{4}$  S 17 B T  
A pine 30 ins. diam. bears S.53°W. 30 lks. dist.  
marked  $\frac{1}{4}$  S 18 B T
- 42.00 Spur projects N.70°E.; descend.
- 52.00 Draw drains E.; thence over rolling ground.
- 64.00 Branch 3 lks. wide, 2 ins. deep, course E.
- 80.00 Set a porphyry stone 20x8x8 ins. 15 ins. in the ground  
for cor. of secs. 7, 8, 17, and 18; marked with 4 notches on  
S. and 5 notches on E. edges; from which  
A pine 16 ins. diam. bears N.31°E. 37 lks. dist.  
marked T 2 N R 9 W S 8 B T  
A pine 20 ins. diam. bears S.62°E. 82 lks. dist.  
marked T 2 N R 9 W S 17 B T  
A pine 6 ins. diam. bears S.76°W. 27 lks. dist.  
marked T 2 N R 9 W S 18 B T  
A pine 4 ins. diam. bears N.28°W. 40 lks. dist.  
marked T 2 N R 9 W S 7 B T
- Land mountainous.
- Soil sandy and rocky; 3d and 4th rate.
- Timber pine.

## SUBDIVISION OF T.2 N.R.9 W.

	Chains Mountainous land heavily timbered 80.00 chs.
40.00	S.89°59' E.on a random line bet.secs.8 and 17 Set Temp. $\frac{1}{2}$ sec.cor.
80.10	Intersect N.and S.line 23 lks.N.of the cor.of secs.8,9, 16, and 17; thence I run N.89°49' W.on a true line bet.secs.8 and 17
	Descending through heavy pine and scattering open tim- ber
25.00	Draw drains SE.; ascend.
36.00	Spur projects SE.; descend.
40.05	Set a sandstone 20x18x8 ins.15 ins.in the ground for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N.face; from which A pine 12 ins.diam.bears N.3°W.70 lks.dist. marked $\frac{1}{4}$ S 8 B T A pine 16 ins.diam.bears S.17°W.54 lks.dist. marked $\frac{1}{4}$ S 17 B T
43.00	Draw drains SE.; ascend.
50.00	Spur projects SE.; descend.
56.00	Small lake 4 chs.long 3 chs.wide,bears S.1.00 ch.dist. Ascend.
67.00	Spur projects SE.; descend.
80.10	The cor.of secs.7,8,17, and 18. Land mountainous. Soil sandy and rocky; 3d and 4th rate. Timber pine and aspen. Mountainous land heavily timbered 80.10 chs.
	Knowing that the line bet.secs.7 and 18 will intersect the west bdy.of the Uintah Indian Reservation,I run West on a true line bet.secs.7 and 18 Descending through heavy pine timber.
8.00	Draw drains SE.; ascend.
33.18	Top of dividing ridge bears NE and SW.

SUBDIVISION OF T.2 N.R.9 W.

Chains intersect west boundary of Uintah Indian Reservation,  
Set a sandstone 14x12x6 ins.9 ins.in the ground for  
closing cor.for secs.7 and 18,marked CCUIR with 5 groove  
on E.,4 grooves on S.and UFR on W.faces;from which  
A pine 30 ins.diam.bears S. $37^{\circ}E.$ .70 lks.dist.  
marked T 2 N R 9 W S 18 B T  
A pine 30 ins.diam.bears N. $52^{\circ}E.$ .85 lks.dist.  
marked T 2 N R 9 W S 7 B T  
From this closing corner the half-mile cor.between mile  
posts Nos.178 and 179 on the boundary as established  
by Deputies A.H.and F.M.Brown under their contract No.  
264 bears S. $19^{\circ}30'W.$ .5.86 chs.  
Land mountainous.  
Soil sandy and rocky;3rd and 4th rate.  
Timber pine.  
Mountainous or heavily timbered land 33.18 chs.

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N. $0^{\circ}04'W.$ bet.sec.7 and 8  
Ascending through heavy pine timber.  
18."0 Spur projects SE.;thence ascend along top of spur.  
22.94 Top of dividing ridge bears NE.and SW.  
Intersect west boundary of Uintah Indian Reservation,  
Set a sandstone 20x6x4 ins.15 ins.in the ground for  
closing cor.for secs.7 and 8,marked CCUIR with 4 grooves  
on S.5 grooves on E.and UFR on N.face;from which  
A pine 10 ins.diam.bears S. $50^{\circ}E.$ .9 lks.dist.  
marked T 2 N R 9 W S 8 B T  
A pine 6 ins.diam.bears S. $30^{\circ}W.$ .67 lks.dist.  
marked T 2 N R 9 W S 7 B T  
From this closing corner the 179th mile cor.on the bdy.  
as established by Deputies A.H.and F.M.Brown under their  
contract No.264 bears as follows:  
S. $38^{\circ}45'W.$ .3.33 chs.;thence  
S. $62^{\circ}W.$ .3.32 chs.to mile post No.179.  
Land mountainous.

## SUBDIVISION OF T.2 N.R.9 W.

Soil rocky; 4th rate.

Timber pine.

Mountainous land heavily timbered 22.94 chs.

November 22, 1903.

## GENERAL DESCRIPTION.

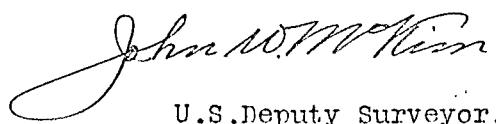
This township is entirely mountainous, very rough, and is, for the most part covered with a dense growth of pine fir and quaking asp timber.

The township is well watered; the North Fork of the DuChesne River flowing through the central and eastern portions, forms the main drainage for this part of the Reservation.

The land is too rough and rocky to be used for agricultural purposes, and is chiefly valuable for the timber growing upon it.

There are no settlers in the township.

There are indications of iron in sections 17, 18, 19, and 20, and I return same as mineral land.



U.S. Deputy Surveyor.

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## FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

## LIST OF NAMES.

A list of the names of the individuals employed by \_\_\_\_\_  
 \_\_\_\_\_, United States Deputy Surveyor, to assist in running, measuring, and  
 marking the lines and corners described in the foregoing field notes of the survey of \_\_\_\_\_  
 \_\_\_\_\_  
 showing the respective capacities in which they acted:

\_\_\_\_\_, Chainman.  
 For final affidavits see book "L" T. 4 N.R. 9 W. \_\_\_\_\_, Chainman.  
 \_\_\_\_\_, Moundman.  
 \_\_\_\_\_, Moundman.  
 \_\_\_\_\_, Axman.  
 \_\_\_\_\_, Axman.  
 \_\_\_\_\_, Flagman.

## FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted \_\_\_\_\_  
 \_\_\_\_\_, United States Deputy Surveyor, in surveying all  
 those parts or portions of the \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_ of the \_\_\_\_\_  
 \_\_\_\_\_ meridian, \_\_\_\_\_ of \_\_\_\_\_, which are represented  
 in the foregoing field notes as having been surveyed by him and under his direction; and that said survey  
 has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the  
 corner monuments established, according to the instructions furnished by the United States Surveyor  
 General for \_\_\_\_\_.

For final affidavits see book "L" T. 4 N.R. 9 W. \_\_\_\_\_, Chainman.  
 \_\_\_\_\_, Chainman.  
 \_\_\_\_\_, Moundman.  
 \_\_\_\_\_, Moundman.  
 \_\_\_\_\_, Axman.  
 \_\_\_\_\_, Axman.  
 \_\_\_\_\_, Flagman.

Subscribed and sworn to before me this \_\_\_\_\_ }  
 day of \_\_\_\_\_, 1900 }



## FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I....., United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from....., United States Surveyor General for....., bearing date of the day of....., 190....., I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for....., the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of.....

For final affidavit see book "L" T. 4 N. R. 9 W.

..... of the.....  
..... meridian, in the..... of....., which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for..... and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

United States Deputy Surveyor.

Subscribed by said....., and sworn to before me }  
this..... day of....., 190 }

SEAL

## APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, December 12, 1904.

The foregoing field notes of the survey of the subdivisional lines of Township No. 2 North, Range No. 9 West of the Uintah Special Base and Meridian, Utah;

executed by John W. McKim  
under his contract No. 277, dated July 22, 1903, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

*Edward A. Anderson*  
United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in....., has been correctly copied from the original notes on file in this office.

United States Surveyor General.

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4-679.

BOOK A-312

"I"

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# FIELD NOTES

OF THE SURVEY OF THE

S\_U\_B\_D\_I\_V\_I\_S\_I\_O\_N

O-F

T\_O\_W\_N\_S\_H\_I\_P\_N\_O.\_2\_N\_O\_R\_T\_H

R\_A\_N\_G\_E\_N\_O. 10\_W\_E\_S\_T

Of the UNTAH SPECIAL BASE AND Meridian,

U\_T\_A\_H

AS SURVEYED BY

John W. McKim, United States Deputy Surveyor,

Under his Contract No. 277, dated July 22, 1903.

(cont'd)  
Survey commenced November 21, 1903., 190

Survey completed November 21, 1903., 190

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begin 23.45 ✓  
Closing 13.30 ✓

## NAMES AND DUTIES OF ASSISTANTS.

Ray Streeper Chairman.

Lyman Haymond Chairman.

John Streeper Mcundman.

Henry W. Curtis Axman.

George Russell Axman.

James S. Houtz Flagman.

For preliminary affidavits see book "C" T.1 N.R.10 w.

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Volume

#

R0312

BOOK A-312

## INDEX DIAGRAM.

Township 2 North, Range 10 West

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19	20	21	22	23	24
20	20	28	27	26	25
31	32	33	34	35	36

Meanders Page.....

**PRELIMINARY OATHS OF ASSISTANTS.**

We, ..... and .....  
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain and level the uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in running, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

....., Chainman,  
....., Chainman,

Subscribed and sworn to before me this ..... }  
day of ..... 190 }



We, ..... and .....  
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

....., Moundman,  
....., Moundman,

Subscribed and sworn to before me this ..... }  
day of ..... 190 }



We, ..... and .....  
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

....., Axman,  
....., Axman,

Subscribed and sworn to before me this ..... }  
day of ..... 190 }



I, ..... do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of

....., Flagman,

Subscribed and sworn to before me this ..... }  
day of ..... 190 }



## SUBDIVISION OF T.2 N.R.10 W.

Chains

Survey commenced Nov. 21, 1903, and executed with a C.L. Berger & Sons mining transit, for a description of which see book "A" of this survey.

I begin at the cor. of secs. 13, 18, 19, and 24 on the E. bdy. of Tp., heretofore described,  $110^{\circ}59'W.$  longitude;  $40^{\circ}34'09''N.$  latitude; and use meridian established for the fractional west bdy. of T.2 N.R.9 W., for details of which see book "G" of this survey.

Knowing that the line bet. secs. 13 and 24 will intersect the west boundary of the Uintah Indian Reservation I run

West on true line bet. secs. 13 and 24  
Over mountainous land; ascending through timber.

23.25.

Top of dividing ridge bears NW. and SE.  
Intersect west boundary of Uintah Indian Reservation.  
Set a sandstone 20x18x8 ins. 15 ins. in the ground for closing corner of fractional secs. 13 and 24, marked CCUR with 1 groove on E., 3 grooves on S. and UFR on W. faces; from which

An aspen 10 ins. diam. bears N.  $60^{\circ}E.$  90 lks. dist.  
marked T 2 N R 10 W S 13 B T

An aspen 6 ins. diam. bears S.  $63^{\circ}E.$  93 lks. dist.  
marked T 2 N R 10 W S 24 B T

From the closing corner the half-mile corner between mile posts Nos. 175 and 176 on the boundary, as established by Deputies A.H. and F.M. Brown under their contract No. 264, bears as follows:

N.  $57^{\circ}30'W.$  3.30 chs.; thence S.  $70^{\circ}15'W.$  4.70 chs.; thence N.  $50^{\circ}45'W.$  5.80 chs. to  $\frac{1}{2}$  mile cor. bet. mile posts Nos. 175 and 176.

Land mountainous.

Soil rocky; 4th rate.

Timber pine and aspen.

Mountainous land 23.25 chs.

## SUBDIVISION OF T.2 N.R.10 W.

## GENERAL DESCRIPTION.

This fractional township is entirely mountainous and covered with a dense growth of pine and aspen timber. There is no water in the township.

There are indications of iron in the township, but not sufficient to return same as mineral land. There are no settlers in the township.

November 21, 1903.

## LATITUDES, DEPARTURES, AND CLOSING ERRORS.

Line designated	True Bearings	Distance chs.	Latitudes		Departures	
			N. chs.	S. chs.	E. chs.	W. chs.
East Bdy. T.2 N.R.10 W.	South	55.01 .....	55.01 .....			
West Bdy. of U.I.R.	N.76°45'W.	3.38 .78 .....				3.29
	N.57°30'W.	26.90 14.46 .....				22.69
	S.70°15'W.	4.70 .....	1.59 .....			4.42
	N.50°45'W.	11.00 6.96 .....				8.51
	N.27°15'W.	19.20 17.07 .....				8.79
	N.53°30'W.	7.60 4.52 .....				6.11
	N.45°30'W.	31.50 22.08 .....				22.47
	N.24°45'W.	7.40 6.72 .....				3.10
	N.30°45'E.	21.70 18.65 .....	11.10 .....			
	S.50°15'E.	8.40 .....	5.38 6.46 .....			
	S.70°45'E.	19.00 .....	6.27 17.94 .....			
	S.58°E.	13.96 .....	7.40 11.83 .....			
	S.69°E.	8.90 .....	3.19 8.31 .....			
	S.59°30'E.	6.45 .....	3.27 5.55 .....			
	S.57°E.	9.40 .....	5.12 7.88 .....			
	S.67°E.	9.27 .....	3.63 8.52 .....			
	S.71°30'E.	2.02 .....	.64 1.91 .....			
Convergency						.02
Totals		91.24	91.50 79.52 79.38			
Error in lat. and dep.			91.24 79.38			
			0.26 .14			

U.S. Deputy Surveyor.

**FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.**

**LIST OF NAMES.**

A list of the names of the individuals employed by \_\_\_\_\_

\_\_\_\_\_, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of \_\_\_\_\_

showing the respective capacities in which they acted:

\_\_\_\_\_, *Chainman.*

\_\_\_\_\_, For final affidavits see book "L" T.4 N.R.9 W., *Chainman.*

\_\_\_\_\_, *Moundman.*

\_\_\_\_\_, *Moundman.*

\_\_\_\_\_, *Axman.*

\_\_\_\_\_, *Axman.*

\_\_\_\_\_, *Flagman.*

**FINAL OATH OF ASSISTANTS.**

We hereby certify that we assisted \_\_\_\_\_

\_\_\_\_\_, United States Deputy Surveyor, in surveying all those parts or portions of the \_\_\_\_\_

of the \_\_\_\_\_

meridian, \_\_\_\_\_ of \_\_\_\_\_, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for \_\_\_\_\_

\_\_\_\_\_, *Chainman.*

For final affidavits see book "L" T.4 N.R.9 W., *Chainman.*

\_\_\_\_\_, *Moundman.*

\_\_\_\_\_, *Moundman.*

\_\_\_\_\_, *Axman.*

\_\_\_\_\_, *Axman.*

\_\_\_\_\_, *Flagman.*

Subscribed and sworn to before me this \_\_\_\_\_ }  
day of \_\_\_\_\_, 190 \_\_\_\_\_ }



## FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, \_\_\_\_\_, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from \_\_\_\_\_, bearing date of the \_\_\_\_\_ day of \_\_\_\_\_, 190\_\_\_\_\_, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for \_\_\_\_\_, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of \_\_\_\_\_.

For final affidavit see book "L" T. 4 N. R. 9 W.

of the \_\_\_\_\_ meridian, in the \_\_\_\_\_ of \_\_\_\_\_, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for \_\_\_\_\_ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

*United States Deputy Surveyor.*

Subscribed by said \_\_\_\_\_, and sworn to before me }  
this \_\_\_\_\_ day of \_\_\_\_\_, 190\_\_\_\_\_ }

○○○○○  
○ SEAL ○  
○○○○○

## APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

*Salt Lake City, Utah, December 12, 1904.*

The foregoing field notes of the survey of \_\_\_\_\_ Subdivision of Township No. 2 North, Range No. 10 West, of the Uintah Special Base and Meridian, Utah.

executed by \_\_\_\_\_ John W. McKim,  
under his contract No. 277, dated July 22, 1903, 190\_\_\_\_\_, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

*Edward H. Anderson*  
United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in \_\_\_\_\_, has been correctly copied from the original notes on file in this office.

*United States Surveyor General.*

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BOOK A-312

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"J"

# FIELD NOTES

OF THE SURVEY OF THE

N\_O\_R\_T\_H B\_O\_U\_N\_D\_A\_R\_Y

0 F.

T\_O\_W\_N\_S\_H\_I\_P N\_O. 3 N\_O\_R\_T\_HR\_A\_N\_G\_E N\_O. 9 W\_E\_S\_T

of the UINTAH SPECIAL BASE AND Meridian,

U\_T\_A\_H

AS SURVEYED BY

John W. McKim

United States Deputy Surveyor,

Under his Contract No. 277, dated July 22, 1905.

Survey commenced June 20, 1904.

Survey completed June 20, 1904.

6-104

2-71-75 ✓

4-60 ✓

NAMES AND DUTIES OF ASSISTANTS.

Ray Streeper Chainman.

Lyman Haymond Chainman.

John Streeper Moundman.

Henry W. Curtis Axman.

George Russell Axman.

James S. Houtz Flagman.

For preliminary affidavits see book "B" T.1 N.R.10 W.

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Volume

#

R0312

BOOK A-312

## INDEX DIAGRAM.

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19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

Meanders Page \_\_\_\_\_

## PRELIMINARY OATHS OF ASSISTANTS.

WE, \_\_\_\_\_ and \_\_\_\_\_  
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of \_\_\_\_\_

\_\_\_\_\_, Chainman.

\_\_\_\_\_, Chainman.

Subscribed and sworn to before me this \_\_\_\_\_  
day of \_\_\_\_\_, 190 } }



WE, \_\_\_\_\_ and \_\_\_\_\_  
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of \_\_\_\_\_

\_\_\_\_\_, Moundman.

\_\_\_\_\_, Moundman.

Subscribed and sworn to before me this \_\_\_\_\_  
day of \_\_\_\_\_, 190 } }



WE, \_\_\_\_\_ and \_\_\_\_\_  
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of \_\_\_\_\_

\_\_\_\_\_, Axman.

\_\_\_\_\_, Axman.

Subscribed and sworn to before me this \_\_\_\_\_  
day of \_\_\_\_\_, 190 } }



I, \_\_\_\_\_, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of \_\_\_\_\_

\_\_\_\_\_, Flagman.

Subscribed and sworn to before me this \_\_\_\_\_  
day of \_\_\_\_\_, 190 } }



S. P. NORTH BOUNDARY T. 3 N. R. 9 W.

Run of  
Chains

Surveyor hired June 20, Survey commenced June 20, 1904,  
and executed with a C. L. Beringer & Sons' mining transit,  
for a description of which see book "A," of this survey.

I correct the level and collimation errors and at the cor.  
of Tps. 3 and 4 N. R. 8 and 9 W., in lat.  $40^{\circ}42'N.$ ; long.  $110^{\circ}$

$52'W.$  the corner being a sandstone,  $34 \times 8 \times 6$  ins. above  
ground, firmly set and marked and witnessed as described

by Deputy Fred Johnson under his contract No. 276, at 1 h.

3273. m.a.m.l.m.t. I observe Polaris (at) eastern elongation,  
in accordance with instructions in the Manual, and mark  
the meridian thus determined by a tack driven in a wood-  
en plug set 5.00 chs. N. of cor.

At 7 h.00 m.a.m.l.m.t. I lay off the azimuth of Polaris  $1^{\circ}$   
 $35'$  to the west and mark the meridian thus determined by  
cutting a cross on a stone firmly set in the ground west  
of the mark established last night.

The magnetic bearing of the true meridian thus determined  
is  $N.17^{\circ}00'W.$ , which gives the magnetic declination  $17^{\circ}00'$

E.

From the corner above described I run

West bet. secs. 1 and 36

Over mountainous land; descending through heavy pine timber.

5.00 Gulch and spring branch 1 lk. wide drains S.; ascend.

9.00 Spur projects S.; descend. 1 lk. wide drains S.; ascend.

36.00 Bottom of draw; creek 7 lks. wide drains S.; ascend.

40.00 Set a sandstone  $17 \times 7 \times 9$  ins.  $18$  ins. in the ground for  $\frac{1}{4}$   
sec. cor. marked  $\frac{1}{2}$  on N. face; from which

A pine 7 ins. diam. bears  $N.5^{\circ}W.$  38 lks. dist.

44.00 marked  $\frac{1}{2}$  S. 36 B. T. 17 lks. from cor.

A pine 16 ins. diam. bears  $S.32^{\circ}E.$  34 lks. dist.

47.00 marked  $\frac{1}{4}$  S. 1 B. T. 17 lks. from cor.

41.00 Spur projects SE; descend. 1 lk. wide drains S.; ascend.

66.00 Branch of North Fork of DuChesne River 30 lks. wide;

## NORTH BOUNDARY T.3 N.R.9 W.

Chains.

drains SE.;ascend.

80.00

Set a sandstone 18x12x10 ins.12 ins.in the ground for cor.of secs.1,2,35, and 36,marked with 1 notch on E.and notches on W.edges;from which

A pine 8 ins.diam.bears N. $36^{\circ}$ E.10 lks.dist.

marked.T 4 N R. 9 W S .36 B T

A pine 7 ins.diam.bears S. $10^{\circ}$ E.22 lks.dist.

marked T 3 N R 9 W S .1 B T

A pine 6 ins.diam.bears S. $16^{\circ}20'$ W.30 lks.dist.

marked T 3 N R 9 W S .2 B T

A pine 6 ins.diam.bears N. $26^{\circ}$ W.59 lks.dist.

marked T 4 N R 9 W S .35 B T

Land mountainous.

Soil sandy and rocky;3d and 4th rate.

Timber pine.

Mountainous land heavily timbered 80.00 chs.

## West betsecs.2 and 35

Over mountainous land;through heavy pine timber;ascend-ing.

3.00

Spur projects SE.;descend.

5.40

Draw;creek 8 lks.wide drains S.E.

29.75

Creek 6 lk.wide drains N. $80^{\circ}$ E.

38.00

Same creek 6 lks.wide drains S. $80^{\circ}$ E.

40.00

Set a sandstone 17x7x7 ins.12 ins.in the ground for  $\frac{1}{4}$  sec.cor.,marked  $\frac{1}{4}$  on N.face;from whichA pine 16 ins.diam.bears N. $9^{\circ}$ E.34 lks.dist.marked  $\frac{1}{4}$  S 35 B T.A pine 18 ins.diam.bears S. $5^{\circ}$ E.40 lks.dist.marked  $\frac{1}{2}$  S 2 B T.

42.00

Same creek 6 lks.wide drains N. $80^{\circ}$ E.

51.50

Same creek 6 lks.wide ;drains S. $80^{\circ}$ E.

55.00

Same creek 6 lks.wide drains N. $70^{\circ}$ E.

Ascend.

## NORTH BOUNDARY OF T.3 N.R.9 W.

Chains Begin abrupt ascent.

67.00 Top of abrupt ascent.

80.00 Set a sandstone 16x12x8 ins.11 ins.in the ground for cor. of secs.2,3,34 and 35,marked with 2 notches on E.and 4 notches.on W.edge;from which

A pine 12 ins.diam.bears N.15°E.60 lks.dist.  
marked T 4 N R 9 W S 35 B T

A pine 14 ins.diam.bears S.25°E.48 lks.dist.  
marked T 3 N R 9 W S 2 B T

A pine 12 ins.diam.bears S.59°W.14 lks.dist.  
marked T 3 N R 9 W S 3 B T

A pine 18 ins.diam.bears N.39°W.10 lks.dist.  
marked T 4 N R 9 W S 34 B T

Land mountainous.

Soil sandy and rocky;3d and 4th rate.

Timber pine.

Mountainous land heavily timbered 80.00 chs.

## West bet.sec's.3 and 34

Over mountainous land through heavy timber;ascending gradually.

36.25 Spring branch 3 lks.wide drains N.E.

40.00 Set a sandstone 16x12x6 ins.11 ins.in the ground for  $\frac{1}{4}$  sec.cor.,marked  $\frac{1}{4}$  on N.face;from which

A pine 26 ins.diam.bears N.31°E.72 lks.dist.  
marked  $\frac{1}{4}$  S 34 B T

A pine 10 ins.diam.bears S.28°W.198 lks.dist.  
marked  $\frac{1}{2}$  S 3 B T

41.75 Spur projects N.E.

45.00 Lake, containing about 3 acres, 10 chs. N. of line.

50.25 Draw drains NE.;ascend.

71.28 Top of dividing ridge bears NW.and SE.

Intersect west boundary of the Uintah Indian Reservation,  
Set a sandstone 16x12x6 ins.11 ins.in the ground for closing cor.of Tps.3 and 4 N.R.9 W.,marked CCUIR 9 W,with

## NORTH BOUNDARY T.3 N.R.9 W.

Chains

3 grooves on E.; 4 N. on N. 3 N. on S. and UFR on W. faces;

from which

A pine .14 ins. diam. bears N.34°E.69 lks.dist. 0.1000

marked T.4 N R.9 W S.34 B T.1000

A pine 6 ins. diam. bears S.40°30' E.113 lks.dist.

marked T.3 N R.9 W S.3 B T.1000

From the closing corner the 189th mile corner on the boundary as established by Deputies A.H. and F.M. Brown under their contract No. 264 bears N.21°30' W.4.60 chs.

Land mountainous.

Soil sandy and rocky; 3d and 4th rate.

Timber pine.

Mountainous land heavily timbered. 71.28 chs.

June 20, 1904.

## GENERAL DESCRIPTION.

For general description see notes of subdivision of  
T.3 N.R.9 W.

## BOUNDARIES OF T.3 N.R.9 W.

Line Designated	True Bearing	Distance	Latitudes		Departures.	
			N.	S.	E.	W.
			chs.	chs.	chs.	chs.
N.Bdy.T.3 N.R.9 W. East		231.28 .....			231.28 .....	
E.Bdy.T.3 N.R.9 W. South		480.00 .....	480.00	.....	.....	
S.Bdy.T.3 N.R.9 W. West		367.28 .....	.....	.....	367.28	
West Bdy.U.LL.Rest	N. $5^{\circ}30'W.$	6.78 6.65 .....	.....	.....	6.65	
	N. $8^{\circ}W.$	49.00 48.52 .....	.....	.....	6.82	
	N. $31^{\circ}30'W.$	15.10 12.87 .....	.....	.....	7.89	
	N. $12^{\circ}30'W.$	16.48 16.09 .....	.....	.....	3.57	
	N. $18^{\circ}30'E.$	10.80 10.24 .....	.....	3.42	.....	
	N. $14^{\circ}W.$	7.27 7.05 .....	.....	.....	1.76	
	N. $69^{\circ}30'W.$	10.35 3.62 .....	.....	.....	9.70	
	N. $79^{\circ}00'W.$	4.60 .88 .....	.....	.....	4.52	
	N. $15^{\circ}W.$	12.90 12.46 .....	.....	.....	3.34	
	N. $2^{\circ}00'W.$	9.90 9.89 .....	.....	.....	.35	
	N. $62^{\circ}00'E.$	12.60 5.91 .....	11.12	.....	.....	
	N. $69^{\circ}00'E.$	22.00 7.89 .....	20.54	.....	.....	
	N. $30^{\circ}00'E.$	18.00 15.58 .....	9.00	.....	.....	
	N. $58^{\circ}00'E.$	13.80 7.31 .....	11.70	.....	.....	
	N. $15^{\circ}E.$	12.60 12.17 .....	3.26	.....	.....	
	N. $42^{\circ}E.$	6.80 5.05 .....	4.55	.....	.....	
	N. $86^{\circ}E.$	19.40 1.35 .....	19.35	.....	.....	
	N. $42^{\circ}E.$	5.70 4.24 .....	3.82	.....	.....	
	N. $79^{\circ}E.$	28.20 5.32 .....	27.68	.....	.....	
	N. $9^{\circ}15'E.$	33.50 33.06 .....	5.38	.....	.....	
	N. $15^{\circ}E.$	61.30 59.21 .....	15.87	.....	.....	
	N. $17^{\circ}15'W.$	31.30 29.89 .....	.....	.....	9.28	
	N. $9^{\circ}52'E.$	85.30 84.04 .....	14.62	.....	.....	
	N. $79^{\circ}E.$	62.10 11.85 .....	60.96	.....	.....	
	N. $21^{\circ}30'W.$	75.40 70.15 .....	27.64	.....	.....	
Convergency			0.62	.....	.....	
Totals			481.35 480.00 443.17 442.80			
Error in lat.and dep.			480.00 442.80			
			1.35 .37			

*John W. Martin*  
U.S. Deputy Surveyor.

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## FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

## LIST OF NAMES.

A list of the names of the individuals employed by John W. McKim,

, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of the W.bdy.of T.1 N.R.10 W.;W. and N.bdy's T.2 N.R.9 W.; and N.bdy.of T.3 N.R.9 W.of the Uintah Special Base and Meridian, Utah, showing the respective capacities in which they acted:

Ray Steepler, Chainman.

Lynnay Haymond, Chainman.

John Steepler, Moundman.

, Moundman.

Henry Y.Curtis, Axman.

George Russel, Axman.

Josseus S. Harry, Flagman.

## FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted John W. McKim,

, United States Deputy Surveyor, in surveying all those parts or portions of the W. Bdy of T 1 N R 10 W.;W. and N. Bdy's of T 2 N R 9 W. and the N Bdy of T 3 N R 9 W.

of the Uintah  
Special Base and meridian, State of Utah, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor general for Utah.

Ray Steepler, Chainman.

Lynnay Haymond, Chainman.

John Steepler, Moundman.

, Moundman.

Henry Y.Curtis, Axman.

George Russel, Axman.

Josseus S. Harry, Flagman.

Subscribed and sworn to before me this 24<sup>th</sup>

1904

day of July



John W. McKim  
U.S. Deputy Surveyor

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, John W. McKim, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Edward H. Anderson, United States Surveyor General for Utah, bearing date of the 22nd day of July, 1903, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Utah, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the W. Boundary of T 1 N R 10 W., and N Bdy. of T 2 N R 9 W., and the N Bdy. of T 3 N R 9 W..

of the Uintah Spec'l Base and meridian, in the State of Utah, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for Utah, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

Subscribed by said John W. McKim, and sworn to before me  
this 26 day of September, 1904 }

Arthur Davis  
Clerk District Court, Park County, Mont.

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, December 12, 1904

The foregoing field notes of the survey of the North Boundary of Township No. 3 North, Range No. 9 West of the Uintah Special Base and Meridian, Utah;

executed by John W. McKim

under his contract No. 277, dated July 22, 1903, 1899, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Edward H. Anderson  
United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in \_\_\_\_\_, has been correctly copied from the original notes on file in this office.

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BOOK A-312

FILED

SEP 30 1904

*"K" S.M.*

## FIELD NOTES

OF THE SURVEY OF THE

S\_U\_B\_D\_I\_V\_I\_S\_L\_O\_NO\_FT\_C\_W\_H\_S\_H\_I\_P N\_0. 3 N\_O\_R\_T\_HR\_A\_N\_G\_E N\_0. 9 W\_E\_S\_T

of the QUINTAH SPECIAL BASE AND Meridian,

U\_T\_A\_H

AS SURVEYED BY

John W. McKim, United States Deputy Surveyor,

Under his Contract No. 277, dated July 23, 1905.

Survey commenced June 22, 1904.

Survey completed July 7, 1904.

*6-61*

*Aug 1 39-100-187*  
*Sept 17-67 ✓*

NAMES AND DUTIES OF ASSISTANTS.

Ray Streeper

Chainman.

Lyman Haymond

Chainman.

John Streeper

Moundman.

Henry W. Curtis

Axman.

George Russell

Axman.

James S. Houtz

Flagman.

For preliminary affidavits see book "C" T.1 N.R.10 W.

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Volume

#

R0312

BOOK A-312

## INDEX DIAGRAM.

Township 3 North, Range 9 West

6	5	4	27	3	16	2	9	1
		27		26		16		8
7	8	9	25	10	15	11	7	12
		25		24		14		6
18	17	16	23	15	14	14	5	13
		22		21		13		5
19	20	30	21	20	22	13	23	24
	32	31		20		12		3
30	29	30	28	19	27	11	26	25
	33	29	29		18		10	2
31	32	38	33	17	34	9	35	30

Meanders Page.....

## PRELIMINARY OATHS OF ASSISTANTS.

We, ..... and ..... do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of .....

....., Chairman.

....., Chairman.

Subscribed and sworn to before me this ..... }  
day of ..... , 190 }  
.....



We, ..... and ..... do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of .....

....., Moundman.

....., Moundman.

Subscribed and sworn to before me this ..... }  
day of ..... , 190 }  
.....



We, ..... and ..... do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of .....

....., Axman.

....., Axman.

Subscribed and sworn to before me this ..... }  
day of ..... , 190 }  
.....



I, ..... do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of .....

....., Flagman.

Subscribed and sworn to before me this ..... }  
day of ..... , 190 }  
.....



## SUBDIVISION OF T.3 N.R.9 W.

Chains. Survey commenced June 22, 1904, and executed with a C.L.

Berger & Sons mining transit, for a description of which see book "A" of this survey.

I correct the level and collimation errors and at the cor. of secs. 1, 2, 35, and 36 on S.bdy. of Tp. heretofore described, in lat.  $40^{\circ} 37' N.$ ; long.  $110^{\circ} 52' W.$  at 1-h. 54 m.a.m. I.m.t. I observe Polaris at eastern elongation in accordance with instructions in the Manual and mark a point in the line thus determined by a tack driven in a wooden plug set in the ground 5.00 chs. N. of cor.

At 7 h. 10 m.a.m. I.m.t. I lay off the azimuth of Polaris  $1^{\circ} 35'$  to the west and mark the meridian thus determined by a cross on a stone in place west of the point established last night.

The magnetic bearing of the true meridian is N. $17^{\circ} 00' W.$ , which gives the magnetic decl. $17^{\circ} 00' E.$

From the cor. of secs. 1, 2, 35, and 36 on S.bdy. of Tp. I run

N. $0^{\circ} 01' W.$  bet. secs. 35 and 36

Over mountainous land; descending over slide rock.

18.00 Enter pine and spruce timber.

27.00 Foot of descent; thence along W.slope.

40.00 Set a sandstone 18x12x6 ins. 12 ins. in the ground for  $\frac{1}{4}$  sec.cor., marked  $\frac{1}{4}$  on W.face; from which

A pine 16 ins. diam. bears N. $21^{\circ} E.$  40 lks. dist.

marked  $\frac{1}{4}$  S 36 B T

A balsam 8 ins. diam. bears S. $16^{\circ} W.$  22 lks. dist.

marked  $\frac{1}{4}$  S 35 B T

42.00 Ascend abruptly over large boulders; through heavy timber.

49.00 Top of bench bears N. and S.; thence along bench.

79.00 Descend over slide rock.

80.00 Set a sandstone 24x12x8 ins. 18 ins. in the ground for cor. of secs. 25, 26, 35, and 36, marked with 1 notch on S. and E.edges; from which

A dead pine 12 ins. diam. bears N. $10^{\circ} W.$  70 lks. dist.

marked T 3 N R 9 W S 26 B T

## D. V. ON OF T 3 N R 9 W

Chains A pine 16 ins.diam.bears N. $80^{\circ}30'$ E.49 lks.dist.  
marked T 3 N R 9 W S 25 B T  
A pine 10 ins.diam.bears S. $70^{\circ}45'$ E.56 lks.dist.  
marked T 3 N R 9 W S 36 B T  
A dead pine 10 ins.diam.bears S. $66^{\circ}45'$ W.30 lks.dist.  
marked T 3 N R 9 W S 35 B T  
Land mountainous.  
Soil rocky; 4th rate.  
Timber pine and balsam.  
Mountainous or heavily timbered land 80.00 chs.

---

East on a random line bet.secs.25 and 36  
40.00 Set temp. $\frac{1}{4}$  sec.cor.  
80.04 Intersect E.bdy.of Tp.4 lks.S.of cor.of secs.25,30,31,  
and 36,which is a sandstone 5x14x6 ins.above ground,  
firmly set and marked and witnessed as described by Dep-  
uty Fred Johnson under his contract No.276.  
Thence I run  
S. $89^{\circ}58'$ W.on a true line bet.secs.25 and 36  
Over mountainous land; ascending through spruce,balsam,  
and pine timber.  
26.00 Top of ridge bears NW.and SE.  
Descend abruptly.  
40.02 Set a sandstone 18x14x4 ins.12 ins.in the ground for  $\frac{1}{4}$   
sec.cor.,marked  $\frac{1}{4}$  on N.face;from which  
A balsam 5 ins.diam.bears N. $29^{\circ}30'$ W.42 lks.dist.  
marked  $\frac{1}{4}$  S 25 B T  
A balsam 5 ins.diam.bears S. $29^{\circ}E.7$  lks.dist.  
marked  $\frac{1}{4}$  S 36 B T  
43.00 Foot of abrupt descent;thence over bench.  
63.00 West edge of bench;descend.abruptly over slide rock.  
80.04 The cor.of secs.25,26,35, and 36.  
Land mountainous.  
Soil rocky; 4th rate.

## SUBDIVISION OF T.3 N.R.9 W.

Chains	Timber spruce, balsam, and pine. Mountainous or heavily timbered land 80.04 chs.
	N.0°01'W.betsecs.25 and 26 Over mountainous land; through heavy timber; descending.
25.00	Foot of descent.
34.50	Dry wash in draw drains SW.; ascend abruptly.
40.00	Set a sandstone 18x12x6 ins.12 ins.in the ground for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on W.face; from which A pine 8 ins.diam.bears S.80°E.30 lks.dist. marked $\frac{1}{4}$ S 25 B T A pine 6 ins.diam.bears N.75°W.38 lks.dist. marked $\frac{1}{4}$ S 26 B T
62.50	Top of ridge bears NE. and SW. Descend.
77.00	Enter slide rock; leave timber.
80.00	Set a sandstone 24x9x8 ins.18 ins.in the ground for cor.of secs.23,24,25, and 26, marked with 2 notches on S. and 1 notch on E.edge; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high W.of cor. Land mountainous. Soil rocky; 4th rate. Timber pine. Mountainous or heavily timbered land 80.00 chs.
	June 22, 1904.
40.00	N.89°58'E.on a random line betsecs.24 and 25 Set temp. $\frac{1}{4}$ sec.cor.
79.98	Intersect E.bdy.of Tp.2 lks.S.of cor.of secs.19,24,25, and 30, which is a sandstone 5x10x10 ins.above ground, firmly set and marked and witnessed as described by Deputy Fred Johnson under his contract No.276; Thence I run

## SUBDIVISION OF T.3 N.R.9 W.

Chains S.89°57'W.on a true line bet.secs.24 and 25.; first over mountainous land; ascending through scattering timber.

35.00 Top of ridge bears northerly and southerly; descend.

39.99 Set a sandstone 16x10x8 ins.11 ins.in the ground for  $\frac{1}{4}$  sec.cor.,marked  $\frac{1}{2}$  on N.face;from which  
A pine 8 ins.diam.bears N.10°E.38 lks.dist.  
marked  $\frac{1}{2}$  S 24 B T  
A pine 6 ins.diam.bears S.30°E25 lks.dist.  
marked  $\frac{1}{2}$  S 25 B T

57.00 Spur projects SW.;descend;leave timber.

79.98 The cor.of secs.23,24,25, and 26.  
Land mountainous.  
Soil rocky;4th rate.  
Timber pine 57.00 chs.  
Mountainous or heavily timbered land 79.98 chs.

N.0°01'W.bet.secs.23 and 24  
Over mountainous land and heavy slide rock;descending.

6.00 Leave slide rock;enter scattering timber.

26.00 Leave timber descend abruptly ,over slide rock.

34.00 Leave slide rock;enter timber.

40.00 Set a sandstone 20x8x8 ins.15 ins.in the ground for  $\frac{1}{4}$  sec.cor.,marked  $\frac{1}{4}$  on W.face;from which  
A balsam 8 ins.diam.bears N.84°W.9 lks.dist.  
marked  $\frac{1}{4}$  S 23 B T  
A spruce 18 ins.diam.bears N.81°40'E.16 lks.dist.  
marked  $\frac{1}{4}$  S 24 B T

80.00 Set a sandstone 24x8x3 ins.18 ins.in the ground for cor. of secs.13,14,23, and 24,marked with 3 notches on S.and 1 notch on E.edge;from which  
A spruce 10 ins.diam.bears N.39°00'W.46 lks.dist.  
marked T 3 N R 9 W S 14 B T  
A hemlock 16 ins.diam.bears N.65°30'E.57 lks.dist.  
marked T 3 N R 9 W S 13 B T

## SUBDIVISION OF T.3 N.R.9 W.

Chains      A balsam 7 ins.diam.bears S.33°E.32 lks.dist.  
               marked T 3 N R 9 W S 24 B T  
               A balsam 6 ins.diam.bears S.49°15'W.34 lks.dist.  
               marked T 3 N R 9 W S 23 B T  
               Land mountainous.  
               Soil rocky;4th rate.  
               Timber pine,balsam, and hemlock.  
               Mountainous or heavily timbered land 80.00 chs.

June 23, 1904.

40.00      N.89°57'E.on a random line betsecs.13 and 24  
               Set temp. $\frac{1}{4}$  sec.cor.  
 79.95      Intersect N.bdy.of Tp.7 lks.N.of the cor.of secs.13,18,  
               19, and 24,which is a Sandstone 5x12x6 ins.above ground,  
               firmly set and marked and witnessed as described by Dep-  
               ute Fred Johnson under his contract No.276.  
               Thence I run  
               West on a true line betsecs.13 and 24  
               Over mountainous land;descending through heavy timber.  
 16.00      Gulch;and creek 3 lks.wide drains NW.;ascend.  
 35.00      Leave timber.  
 39.98      Set a sandstone 18x10x6 ins.12 ins.in the ground for  $\frac{1}{4}$   
               sec.cor.,marked  $\frac{1}{4}$  on N.face;and raise a mound of stone 2  
               ft.base 1 $\frac{1}{2}$  ft.high N.of cor.  
 55.00      Spur projects northerly;descend and enter timber.  
 79.95      The cor.of secs.13,14,23, and 24.  
               Land mountainous;  
               Soil rocky;4th rate.  
               Timber pine and spruce.  
               Mountainous or heavily timbered land 79.95 chs.

32.00      N.0°01'W.betsecs.13 and 14  
               Over mountainous land;descending through heavy timber.  
               Foot of abrupt descent;descend gradually.

## SUBDIVISION OF T.3 N R 9 W

Chains

- 40.00 Set a sandstone 14x8x6 ins. 9 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on W. face; from which  
 A hemlock 10 ins. diam. bears S.  $40^{\circ}30'$  E. 20 lks. dist.  
 marked  $\frac{1}{4}$  S 13 B T  
 A pine 6 ins. diam. bears S.  $35^{\circ}15'$  W. 35 lks. dist.  
 marked  $\frac{1}{4}$  S 14 B T
- 40.50 South bank of North Fork of DuChesne River, drains SW.
- 43.00 North bank of North Fork of DuChesne River, drains SW.
- 49.00 Ascend abruptly.
- 80.00 Set a sandstone 16x10x6 ins. 11 ins. in the ground for cor. of secs. 11, 12, 13, and 14, marked with 4 notches on S. and 1 notch on E. edge; from which  
 A hemlock 8 ins. diam. bears N.  $12^{\circ}30'$  W. 35 lks. dist.  
 marked T 3 N R 9 W S 11 B T  
 Hemlock 16 ins. diam. bears N.  $67^{\circ}15'$  E. 87 lks. dist.  
 marked T 3 N R 9 W S 12 B T  
 A hemlock 15 ins. diam. bears S.  $23^{\circ}45'$  E. 102 lks. dist.  
 marked T 3 N R 9 W S 13 B T  
 A pine 17 ins. diam. bears S.  $24^{\circ}20'$  W. 79 lks. dist.  
 marked T 3 N R 9 W S 14 B T  
 Land mountainous.  
 Soil sandy and rocky; 3rd and 4th rate.  
 Timber pine and hemlock.  
 Mountainous or heavily timbered land 80.00 chs.

June 24, 1904.

East on a random line bet. secs. 12 and 13

- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 80.08 Intersect E. bdy. of Tp. 6 lks. N. of cor. of secs. 7, 12, 13, and 18, which is a sandstone 5x8x8 ins. above ground, marked and witnessed as described by Deputy Fred Johnson under his contract No. 276.
- Thence I run

## SUBDIVISION OF T.3 N.R.9 W.

Chains. N.89°57'W.on a true line bet.secs.12 and 13  
over mountainous land; ascending through heavy timber.  
2.00 Top of ridge bears N.and S.; descend over slide rock;  
Leave timber.  
30.00 Leave slide rock; enter timber.  
40.04 Set a sandstone 20x12x4 ins.15 ins.in the ground for  $\frac{1}{4}$   
sec.cor.,marked  $\frac{1}{4}$  on N.face;from which  
A pine 5 ins.diam.bears N.50°E.21 lks.dist.  
marked  $\frac{1}{2}$  S 12 B T  
A pine 5 ins.diam.bears S.70°E.13 lks.dist.  
marked  $\frac{1}{4}$  S 13 B T.  
44.00 Center of North Fork of DuChesne River 100 lks.wide  
drains SW.  
Ascend over ledges.  
50.00 Top of abrupt ascent.  
80.08 The cor.of secs.11,12,13, and 14.  
Land mountainous.  
Soil rocky and sandy; 3d and 4th rate.  
Timber pine and aspen.  
Mountainous or heavily timbered land 80.08 chs.

N.0°01'W.bet.secs.11 and 12  
Ascending over mountainous land;through heavy timber.  
1.00 Top of ledge bears NE.and SW.  
Thence over broken E.slope.  
40.00 Set a sandstone 18x10x6 ins.12 ins.in the ground,for  $\frac{1}{4}$   
sec.cor.,marked  $\frac{1}{4}$  on W.face;from which  
A hemlock 6 ins.diam.bears S.35°E.38 lks.dist.  
marked  $\frac{1}{4}$  S 12 B T  
A pine 8 ins.diam.bears S.80°W.42 lks.dist.  
marked  $\frac{1}{4}$  S 11 B T  
80.00 Set a sandstone 16x10x8 ins.11 ins.in the ground for cor.  
of secs.1,2,11, and 12,marked with 5 notches on S.and 1  
notch on E.edge;from which

SURVEY OF T 3 N R 9 W

Chains.

A pine 32 ins. diam. bears N.73°E. 27 lks. dist.

marked T 3 N R 9 W S 1 B T

A pine 20 ins. diam. bears S.71°E. 29 lks. dist.

marked T 3 N R 9 W S 12 B T

A pine 10 ins. diam. bears S.47°W. 14 lks. dist.

marked T 3 N R 9 W S 11 B T

A pine 8 ins. diam. bears N.64°W. 15 lks. dist.

marked T 3 N R 9 W S 2 B T

Land mountainous.

Soil sandy and rocky; 3d and 4th rate.

Timber pine and hemlock.

Mountainous land heavily timbered 80.00 chs.

S.89°57'E. on a random line bet. secs. 1 and 12

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

80.02 Intersect E. bdy. of Tp. 6 lks. S. of cor. of secs. 1, 6, 7, and 12 which is a sandstone 6x12x6 ins. above ground, firmly set and marked and witnessed as described by Deputy Fred Johnson under his contract No. 276.

Thence I run

West on a true line bet. secs. 1 and 12

Over mountainous land; descending through scattering timber.

15.00 North Fork of Duchesne River 90 lks. wide, drains SW.

Ascend.

40.01 Set a sandstone 16x8x6 ins. 11 ins. in the ground for  $\frac{1}{4}$  sec. cor.. marked  $\frac{1}{4}$  on N. face; from which

A pine 8 ins. diam. bears N.10°W. 28 lks. dist.

marked  $\frac{1}{4}$  S 1 B T

A pine 6 ins. diam. bears S.23°E. 32 lks. dist.

marked  $\frac{1}{4}$  S 12 B T

80.02 The cor. of secs. 1, 2, 11, and 12.

Land mountainous.

Soil rocky; 4th rate.

## SUBDIVISION OF T 3 N R 9 W

Chains.

Timber pine.

Mountainous or heavily timbered land 80.02 chs.

June 25, 1904.

100

N.0°01'W.on a random line bet secs.1 and 2.

40.00 Set temp. $\frac{1}{4}$  sec.cor.

80.05 Intersect N.bdy.of Tp.3 lks.E.of cor.of secs.1,2,35, and 36, heretofore described; thence I run

S.0°02'E.on a true line bet secs.1 and 2

Over mountainous land; ascending through heavy timber.

6.00 Spur projects SE.; descend.

8.00 Draw;creek 6 lks.wide drains SE.; ascend.

40.05 Set a sandstone 16x8x5 ins.11 ins.in the ground for  $\frac{1}{4}$  sec.cor., marked  $\frac{1}{4}$  on W.face; from which

A pine 14 ins.diam.bears N.58°W.32 lks.dist.

marked  $\frac{1}{4}$  S 2 B T

A pine 18 ins.diam.bears S.68°E.23 lks.dist.

marked  $\frac{1}{4}$  S 1 B T

42.00 Spur projects SE.; descend.

60.00 Descend abruptly over SE.slope.

80.05 The cor.of secs.1,2,11 and 12.

Land mountainous.

Soil rocky; 4th rate.

Timber pine.

Mountainous or heavily timbered land 80.05 chs.

From cor.of secs.2,3,34, and 35 on S.bdy.of Tp. heretofore described, I run

N.0°02'W.bet secs.34 and 35

Over mountainous land; along W.slope through timber and over slide rock.

40.00 Set a sandstone 24x12x5 ins.18 ins.in the ground for  $\frac{1}{4}$  sec.cor., marked  $\frac{1}{4}$  on W.face; from which

## SUBDIVISION OF T.3 N.R.9 W.

Chains      An aspen 6 ins.diam.bears S. $89^{\circ}W$ .81 lks.dist.  
               marked  $\frac{1}{4}$  S 34 B T  
               An aspen 8 ins.diam.bears N. $71^{\circ}35' E$ .72 lks.dist.  
               marked  $\frac{1}{4}$  S 35 B T  
 80.00      Set a sandstone 14x12x8 ins.9 ins.in the ground for  
               cor.of secs.26,27,34, and 35,marked with 1 notch on S.  
               and 2 notches on E.edge;from which      60.00  
               A pine 10 ins.diam.bears N. $40^{\circ}E$ .184 lks.dist.  
               marked T 3 N R 9 W S 26 B T  
               A pine 6 ins.diam.bears S. $1^{\circ}10'E$ .95 lks.dist.  
               marked T 3 N R 9 W S 35 B T  
               No other bearing trees within limits;raise a mound of  
               stone 2 ft.base  $1\frac{1}{2}$  ft.high W.of cor.  
               Pits impracticable.  
               Land mountainous.  
               Soil rocky;4th rate.  
               Timber pine and aspen.  
               Mountainous land heavily timbered. 80.00 chs.

June 26, 1904.

40.00      East on a random line betsecs.26 and 35.  
               Set temp. $\frac{1}{4}$  sec.cor.  
 79.90      Intersect N.and S.line 6 lks.N.of cor.of secs.25,26,35,  
               and 36;thence I run  
               N. $89^{\circ}57'W$ .on a true line betsecs.26 and 35  
               Over mountainous land through pine timber and heavy  
               slide rock;descending.  
 39.95      Set a sandstone 18x9x3 ins.12 ins.in the ground for  $\frac{1}{4}$   
               sec.cor.,marked  $\frac{1}{4}$  on N.face;from which  
               A pine 10 ins.diam.bears N. $41^{\circ}30'E$ .80 lks.dist.  
               marked  $\frac{1}{4}$  S 26 B T  
               A pine 8 ins.diam.bears S. $49^{\circ}15'E$ .51 lks.dist.  
               marked  $\frac{1}{4}$  S 35 B T  
               Descend abruptly.

## SUBDIVISION OF T.3 N.R.9 W.

Chains 79.90	The cor.of secs.26,27,34, and 35. Land mountainous. Soil rocky;4th rate. Timber pine and aspen. Mountainous land heavily timbered 79.90 chs.
11.0°02'W.betsecs.26 and 27	
	Over mountainous land;descending through timber.
15.00	Draw drains westerly.
40.00	Set a sandstone 16x14x8 ins.11 ins.in the ground for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.face;from which A pine 10 ins.diam.bears N.51°10'E.24 lks.dist.. marked $\frac{1}{4}$ S.26 B T A hemlock 8 ins.diam.bears N.23°W.32 lks.dist. marked $\frac{1}{4}$ S 27 B T
63.70	Draw drains westerly;thence along NW.slope.
80.00	Set a sandstone 18x12x8 ins.12 ins.in the ground for cor.of secs.22,23,26, and 27,marked with 2 notches on S. and E.edges;from which A balsam 6 ins.di m.bears N.63°30'W.14 lks.dist. marked T 3 N R 9 W S 23 B T A pine 9 ins.diam.bears N.76°35'E.44 lks.dist. marked T 3 N R 9 W S 23 B T A pine 8 ins.diam.bears S.3°50'E.22 lks.dist. marked T 3 N R 9 W S 26 B T A balsam 4 ins.diam.bears S.41°50'W.29 lks.dist. marked T 3 N R 9 W S 27 B T
	Land mountainous. Soil sandy and rocky;3d and 4th rate. Timber pine and balsam. Mountainous or heavily timbered land 80.00 chs.

SUBDIVISION OF T.3 N.R.9 W.

Chains. S.89°57'E.on a random line bet.secs.23 and 26  
40.00 Set temp. $\frac{1}{2}$  sec.cor.  
79.95 Intersect N.and S.line 9 lks.S.of cor.of secs.23,24,25,  
and 26;thence I run  
S.89°59'W.on a true line bet.secs.23 and 26  
Over mountainous land;descending over slide rock and  
throggh pine timber.  
26.00 Begin very steep descent.  
Leave timber.  
39.98 Set a sandstone 20x12x8 ins.15 ins.in mound of stone.  
for  $\frac{1}{4}$  sec.cor.,marked  $\frac{1}{4}$  on N.face;and raise a mound of  
stone 2 ft.base  $1\frac{1}{2}$  ft.high N.of cor.Pits impracticable.  
61.00 Enter pine and spruce timber.  
79.95 The cor.of secs.22,23,26, and 27:  
Land mountainous.  
Soil rocky;4th rate.  
Timber pine and spruce.  
Mountainous or heavily timbered land 79.95 chs.

June 27, 1904.

N.0°02'W.bet.secs.22 and 23  
Over mountainous land through heavy timber and slide roc  
Descending.  
40.00 Draw drains NW.,  
Set a sandstone 20x14x12 ins.15 ins.in the ground for  $\frac{1}{4}$   
sec.cor.,marked  $\frac{1}{4}$  on W.face;from which  
A balsam 5 ins.diam.bears N.57°45'W.13 lks.dist.  
marked  $\frac{1}{4}$  S 22 B T.  
A balsam 10 ins.diam.bears N.14°15'E.48 lks.dist.  
marked  $\frac{1}{4}$  S 23 B T.  
61.85 Center of North Fork of DuChesne river 70 lks.wide course  
SW.;ascend.  
80.00 Set a sandstone 16x8x6 ins.11 ins.in the ground for cor.  
of secs.14,15,22, and 23,marked with 3 notches on S.and 2

## SUBDIVISION OF T.3 N.R.9 W.

Chains.

notches on E.edge;from which

A pine 4 ins.diam.bears N. $0^{\circ}30'$ E.18 lks.dist.

marked T 3 N R 9 W S 14 B T

A pine 8 ins.diam.bears S. $28^{\circ}15'$ E.66 lks.dist..

marked T 3 N R 9 W S 23 B T

No other bearing trees within limits;raise a mound of stone 2 ft.base  $1\frac{1}{2}$  ft.high W.of cor.Pits impracticable.  
Land mountainous.

Soil rocky and sandy 3d and 4th rate.

Timber pine and aspen..

Mountainous or heavily timbered land 80.00 chs.

N. $89^{\circ}59'$ E.on a random line betsecs.14 and 2340.00 Set temp. $\frac{1}{4}$  sec.cor.79.60 Intersect N.and S.line 30 lks.S.of cor.6f secs.13,14,23  
and 24;thence I runS. $89^{\circ}46'$ W.on a true line betsecs.14 and 23

Over mountainous land through timber;descending.

35.00 Leave timber.

39.80 Set a sandstone 20x8x5 ins.15 ins.in the ground for  $\frac{1}{4}$   
sec.cor.,marked  $\frac{1}{4}$  on N.face;and raise a mound of stone  
2 ft.base  $1\frac{1}{2}$  ft.high N.of cor.Pits impracticable.

Descend abruptly over slide rock.

50.00 Foot of steep descent.

58.20 Center of North Fork of DuChesne River 120 lks.wide  
drains SW.;ascend.

75.00 Enter timber bears NE.and SW.

79.60 The cor.of secs.14,15,22, and 23.

Land mountainous.

Soil rocky and sandy 3d and 4th rate.

Timber pine and aspen..

Mountainous or heavily timbered land 79.60 chs.

## SUBDIVISION OF T 3 N R 9 W

Chains	N.0°02'W.betsecs.14 and 15
	Over mountainous land through heavy timber ascending abruptly.
24.00	Top of abrupt ascent bears NE.and SW. Ascend gradually.
40.00	Set a sandstone 16x12x12 ins.all ins.in the ground for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.face;from which A pine 14 ins.diam.bears N.71°15'W.26 lks.dist. marked $\frac{1}{4}$ S 15 B T
	A pine 10 ins.diam.bears S.8°00'E.62 lks.dist. marked $\frac{1}{4}$ S 14 B T
45.00	Abrupt ascent bears NE.and SW.
52.00	Top of abrupt ascent;thence ascend gradually.
80.00	Set a sandstone 20x10x4 ins.15 ins.in the ground for cor of secs.10,11,14, and 15,marked with 4 notches on S. and 2 notches on E.edge;from which A pine 12 ins.diam.bears N.35°W.56 lks.dist. marked T 3 N R 9 W S 10 B T A pine 14 ins.diam.bears N.59°21'E.42 lks.dist. marked T 3 N R 9 W S 11 B T A pine 9 ins.diam.bears S.12°E.23 lks.dist. marked T 3 N R 9 W S 14 B T A pine 12 ins.diam.bears S.18°15'W.22 lks.dist. marked T 3 N R 9 W S 15 B T
	Land mountainous.
	Soil rocky;4th rate.
	Timber pine.
	Mountainous or heavily timbered land 80.00 chs.
	June 28,1904.
	June 29,1904.
	N.89°46'E.on a random line bet.secs.11 and 14
40.00	. Set temp. $\frac{1}{4}$ sec.cor.
79.72	Intersect N.and S.line 10 lks.N.of cor.of secs.11,12,13, and 14.Thence I run

SUBDIVISION OF T.3 N.R.9 W.

Chains.

S.89°50'W.on a true line bet.sec.11 and 14

Over mountainous land; ascending through heavy timber.

1.20 Top of ledge bears NE. and SW.

Ascend abruptly over ledges and slide rock.

20.00 Leave timber.

39.86 Set a sandstone 18x13x6 ins.12 ins.in the ground for  $\frac{1}{4}$   
sec.cor.,marked  $\frac{1}{4}$  on N.face;and raise a mound of stone  
2 ft.base 1 $\frac{1}{2}$  ft.high N.of cor.Pits impracticable.53.00 Top of abrupt ascent;ascend gradually;enter heavy timber  
bears NE. and SW.

79.72 The cor.of secs.10,11,14, and 15.

Land mountainous;

Soil rocky 4th rate.

Timber pine and aspen.

Mountainous or heavily timbered land 79.72 chs.

N.0°02'W.bet.sec.10 and 11

Over mountainous land; ascending through heavy timber.

80.00 Top of rocky spur projects SE.;leave timber.

40.00 Set a sandstone 16x8x6 ins.11 ins.in the ground for  $\frac{1}{4}$   
sec.cor.,marked  $\frac{1}{4}$  on W.face;and raise a mound of stone  
2 ft.base 1 $\frac{1}{2}$  ft.high W.of cor.Pits impracticable.

68.00 Spur projects SE.;descend.

80.00 Point for corner falls on sandstone in place 3x3x4 ft.  
above ground, on whichCut a cross (X) at the corner point for cor.of secs.2,3,  
10, and 11,with 5 notches on S.and 2 notches on E.of  
cross and raise a mound of stone 2 ft.base 1 $\frac{1}{2}$  ft.high W.  
of cor.Pits impracticable.

Land mountainous.

Soil rocky;4th rate.

Timber pine.

Mountainous or heavily timbered land 80.00 chs.

June 29, 1904.

SUBDIVISION OF T. 3 N 9 W

Chains. June 30, 1904.  
N.89°50'E.on a random line bet.secs.2 and 11  
40.00 Set temp. $\frac{1}{2}$  sec.cor.  
79.80 Intersect N.and S.line 12 lks.N.of cor.of secs.1,2,11,  
and 12;thence I run  
S.89°55'W.on a true line bet.secs.2 and 11  
Over mountainous land;ascending abruptly.  
37.00 S-uth end of lake containing about 3 acres.  
39.90 Set a sandstone 17x9x7 ins.12 ins.in the ground for  $\frac{1}{4}$   
sec.cor.,marked  $\frac{1}{4}$  on N.face;from which  
A pine 16 ins.diam.bears S.20°W.53 lks.dist.  
marked  $\frac{1}{4}$  S 11 B T  
A pine 7 ins.diam.bears N.60°E.35 lks.dist.  
marked  $\frac{1}{4}$  S 2 B T  
60.00 Ascend abruptly.  
79.80 The cor.of secs.2,3,10, and 11.  
Land mountainous.  
Soil sandy and rocky;3d and Atherrate.  
Timber pine.  
Mountainous or heavily timbered land 79.80 chs.

N.0°02'W.on a random line bet.secs.2 and 3  
40.00 Set temp. $\frac{1}{2}$  sec.cor.  
80.08 Intersect N.bdy.of Tp.2 lks.E.of cor.of secs.2,3,34, and  
35,heretofore described;thence I run  
S.0°03'E.on a true line bet.secs.2 and 3  
Over mountainous land;ascending through heavy timber.  
8.00 Spur projects NE;descend.  
15.50 Ravine,spring branch 6 lks.wide drains NE.;ascend.  
40.08 Set a sandstone 17x10x7 ins.11 ins.in the ground for  $\frac{1}{4}$   
sec.cor.,marked  $\frac{1}{4}$  on W.face;from which  
A pine 10 ins.diam.bears S.50°30'E.12 lks.dist.  
marked  $\frac{1}{4}$  S 2 B T  
A pine 6 ins.diam.bears S.10°W.11 lks.dist.,marked  
 $\frac{1}{4}$  S 3 B T

## SUBDIVISION OF T.3 N.R.9 W.

Chains	
50.00	Top of spur projects E.; descend.
67.30	Head of draw drains NE.
	Ascend; leave timber.
80.08	The cor. of secs. 2, 3, 10, and 11. Land mountainous. Soil rocky; 4th rate. Timber pine. Mountainous or heavily timbered land 80.08 chs.

June 30, 1904.

July 1, 1904, at the cor. of secs. 3, 4, 33 and 34 on S.bdy.of  
Tp.. heretofore described, lat.  $40^{\circ}37'N.$ , long.  $110^{\circ}55'W.$  at  
0 h.49 m.a.m.l.m.t. I observe Polaris at eastern elonga-  
tion in accordance with instructions in the Manual and  
mark a point in the line thus determined by a tack driv-  
en in a wooden plug set 5 chs. N.of cor.

At 7 h.15 m.a.m.l.m.t. I lay off the azimuth og Polaris  
 $1^{\circ}35'$  to the west and mark the meridian thus determined  
by a cross cut on a stone firmly sett in the ground .5 chs.  
N.of cor.

The magnetic bearing of the true meridian thus determined  
is N. $17^{\circ}00'W.$  which gives the magnetic decl. $17^{\circ}00'E.$

Thence I run

N. $0^{\circ}02'W.$  bet.secs.33 and 34

Over mountainous land through heavy timber.

40.00	Set a sandstone 16x10x6 ins.11 ins.in the ground for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on W.face; from which
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A pine 12 ins.diam.bears N. $68^{\circ}50'E.$ .25 lks.dist.

marked  $\frac{1}{4}$  S 34 B T

A pine 10 ins.diam.bears S. $73^{\circ}45'W.$ .35 lks.dist.,

marked  $\frac{1}{4}$  S 33 B T.

65.00	Ledge 50 ft.high bears N. $20^{\circ}W.$ and S. $20^{\circ}E.$
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Descend through heavy timber.

## SUBDIVISION OF T.3 N.R.9 W.

Chains.

- 80.00 Set a sandstone 14x8x6 ins.9 ins.in the ground for cor.  
of secs.27,28,33, and 34,marked with 1 notch on S.and 3  
notches on E.edge;from which  
 A dead pine .20 ins.diam.bears N. $75^{\circ}45'$ W. $.75$  lks.dist.  
marked T 3 N R 9 W S 28 B T  
 A dead pine 12 ins.diam.bears N. $16^{\circ}40'$ E. $.90$  lks.dist.,  
marked T 3 N R 9 W S 27 B T  
 A pine 4 ins.diam.bears S. $12^{\circ}15'$ E. $.15$  lks.dist.  
marked T 3 N R 9 W S 34 B T  
 A dead hemlock 14 ins.diam.bears S. $36^{\circ}45'$ W. $.170$  lks.  
dist.,marked T 3 N R 9 W S 33 B T  
 Land mountainous.  
 Soil rocky 4th rate  
 Timber pine and hemlock.  
 Mountainous or heavily timbered land 80.00 chs.
- 

East on a random line.betsecs.27 and 34

- 40.00 Set temp. $\frac{1}{4}$  sec.cor.  
 80.04 Fall 6 lks.S.of cor.of secs.26,27,34, and 35.;thence  
I run  
 ✓ S. $89^{\circ}57'$ W.on a true line betsecs.27 and 34  
 Descending over mountainous land;through heavy timber.  
 20.00 Bottom of abrupt descent.  
 28.00 Center of North Fork of DuChesne River 100 lks.wide  
drains S.  
 34.00 Ascend abruptly;leave timber.  
 40.02 Set a sandstone 24x14x8 ins.18 ins.in the ground for  $\frac{1}{4}$   
sec.cor.,marked  $\frac{1}{4}$  on N.face;and raise a mound of stone 2  
ft.base  $1\frac{1}{2}$  ft.high N.of cor.Pits impracticable.  
 43.00 Enter timber bears N.and S.  
 60.00 Ledge 50 ft.high bears N.and S.  
 Ascend abruptly.  
 80.04 The cor.of secs.27,28,33, and 34.  
 Land mountainous.

SUBDIVISION OF T.3 N.R.9 W.

Chains.

Soil rocky; 4th rate.

Timber pine and spruce.

Mountainous or heavily timbered land 80.04 chs.

40.00

N.0°02'W.bet.secs.27 and 28

Over mountainous land; descending abruptly; through live and fallen timber.

40.00

Set a sandstone 16x8x4 ins. 11 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on W. face; from which

A pine 18 ins. diam. bears S.69°15'W.60° lks. dist.

marked  $\frac{1}{4}$  S 28 B T

A pine 14 ins. diam. bears N.60°E.3 lks. dist.

marked  $\frac{1}{4}$  S 27 B T

47.00

Bottom of ravine; creek 6 lks. wide drains SE.

Ascend over slide rock and fallen timber.

80.00

Set a sandstone 16x12x5 ins. 11 ins. in the ground for cor. of secs. 21, 22, 27, and 28, marked with 2 notches on S. and 3 notches on E. edge; from which

A dead pine 13 ins. diam. bears N.78°30'W.29 lks. dist.

marked T 3 N R 9 W S 21 B T

An aspen 8 ins. diam. bears N.74°30'E.45 lks. dist.

marked T 3 N R 9 W S 22 B T

An aspen 9 ins. diam. bears S.25°15'E.44 lks. dist.

marked T 3 N R 9 W S 27 B T

A dead pine 16 ins. diam. bears S.43°45'W.47 lks. dist.

marked T 3 N R 9 W S 28 B T

Land mountainous

Soil rocky and sandy 4th rate.

Timber pine and aspen.

Mountainous or heavily timbered land 80.00 chs.

July 1, 1904.

SUBDIVISION OF T.3 N.R.9 W.

Chains.

July 2, 1904.

N.89°57'E.on a random line bet.secs.22 and 27  
Set temp. $\frac{1}{4}$  sec.cor. 61° F. 100% R.H.  
Intersect N.and S.line 6 lks.N.of cor.of secs.22,23,26,  
and 27;thence I run  
West on a true line bet.secs.22 and 27  
Descend abruptly through heavy timber.  
Foot of abrupt descent.  
Center of North Fork of Duchesne River,80 lks:wide,drain  
south.  
Set a sandstone 16x10x8 ins.11 ins.in the ground for  $\frac{1}{4}$   
sec.cor.,marked  $\frac{1}{4}$  on N.face;from which  
An aspen 6 ins.diam.bears N.18°00'E.22 lks.dist.  
marked T 3 N R 9 W S 22 B T  
An aspen 8 ins.diam.bears S.43°15'E.98 lks.dist.  
marked  $\frac{1}{4}$  S 27 B T  
Ascend.  
Ascend abruptly.  
The cor.of secs.21,22,27, and 28.  
Land mountainous.  
Soil rocky and sandy;3d and 4th rate.  
Timber aspen.  
Mountainous or heavily timbered land 80.00 chs.

N.0°02'W.bet.secs.21 and 22

Over mountainous land;ascending through heavy spruce and  
hemlock timber.  
Ascend abruptly over slide rock sloping easterly.  
Set a sandstone 24x10x8 ins.18 ins.in mound of rock for  
 $\frac{1}{4}$  sec.cor.,marked  $\frac{1}{4}$  on W.face;from which  
An aspen 13 ins.diam.bears N.55°30'E.28 lks.dist.  
marked  $\frac{1}{4}$  S 22 B T  
An aspen 12 ins.diam.bears S.48°35'W.53 lks.dist.  
marked  $\frac{1}{4}$  S 21 B T

## SURVEYS OF T 3 N R 9 W

Chains 80.00 Set a sandstone 20x10x4 ins.15 ins.in the ground for cor. of secs.15,16,21, and 22,marked with 3 notches on S.and E. edge;from which

A pine 12 ins.diam.bears N. $13^{\circ}15'$ W.45 lks.dist. marked T 3 N R 9 W S 16 B T

A pine 18 ins.diam.bears N. $80^{\circ}15'$ E.17 lks.dist. marked T 3 N R 9 W S 15 B T

A pine 15 ins.diam.bears S. $35^{\circ}10'$ E.20 lks.dist. marked T 3 N R 9 W S 22 B T

A pine 11 ins.diam.bears S. $31^{\circ}15'$ W.39 lks.dist. marked T 3 N R 9 W S 21 B T

Land mountainous.

Soil rocky 4th rate.

Timber pine and aspen.

Mountainous or heavily timbered land 80.00 chs.

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40.00 East on a random line betsecs.15 and 22  
Set temp. $\frac{1}{4}$  sec.cor

80.06 Intersect N.and S.line 10 lks.S.of cor.of secs.14,15,22 and 23;thence I run

20.10 S. $89^{\circ}56'$ W.on a true line betsecs.15 and 22 Creek 6 lks.wide,drains S.  
Ascend abruptly through heavy timber.

30.50 Top of abrupt ascent;ascend gradually.

40.03 Set a sandstone 18x10x4 ins.12 ins.in the ground for  $\frac{1}{4}$  sec.cor.,marked  $\frac{1}{2}$  on N.face;from which

A pine 11 ins.diam.bears N. $34^{\circ}45'$ W.22 lks.dist. marked  $\frac{1}{2}$  S 15 B T

A pine 18 ins.diam.bears S. $56^{\circ}15'$ E.14 lks.dist. marked  $\frac{1}{2}$  S 22 B T

Ascend abruptly.

70.00 Top of abrupt ascent;thence ascend gradually.

80.06 The cor.of secs.15,16,21, and 22.

Land mountainous.

Soil rocky;4th rate.

SECTION T 3 N R 9 W

Chains

Timber pine and spruce.

Mountainous land heavily timbered 80.06 chs.

July 2, 1904.

July 3, 1904.

Knowing that the line bet. secs. 16 and 21 will intersect the west boundary of the Uintah Indian Reservation I run

West on a true line bet. secs. 16 and 21

Ascend through heavy pine timber.

40.00

Point for  $\frac{1}{4}$  sec. cor. falls on sandstone in place 10x12x1 ft. above ground, on which

Cut a cross (X) at the corner point for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on N. side of cross; from which

A pine 7 ins. diam. bears S.26°E.55 lks. dist.

marked  $\frac{1}{4}$  S 21 B T

An aspen 9 ins. diam. bears N.77°30' E.218 lks. dist.

marked  $\frac{1}{4}$  S 16 B T

41.91

Top of dividing ridge bears NE. and SW.

Intersect the west boundary of the Uintah Indian Reservation,

Point for closing corner falls on sandstone in place, on which

Cut a cross (X) at the corner point for closing corner for secs. 16 and 21, marked same with CGUIR and 4 grooves on E 3 grooves on S. and UFR on W. of cross; from which

A pine 15 ins. diam. bears S.17°30' E.152 lks. dist.

marked T 3 N R 9 W S 21 B T

No other bearing trees within limits; raise a mound of stone 2 ft. base  $1\frac{1}{2}$  ft. high E. of cor. Pits impracticable.

From the closing corner the 185th mile corner on the boundary as established by Deputies A.H. and F.M. Brown under their contract No. 264 bears S.15°W.14.65 chs.

Land mountainous.

## SUBDIVISION OF T 3 N.R.9 W.

Chains

Soil rocky; 4th rate.

Timber pine.

Mountainous or heavily timbered land 41.91 chs.

N.0°02'W.betsecs.15 and 16

Over mountainous land; descending through heavy timber.

5.00

Enter slide rock.

23.00

South side of lake containing about 3 acres; offset as follows: West 4.00 chs., N.0°02'W.7.00 chs.; East 4.00 chs.

30.00

North side of lake; leave timber.

40.00

Set a sandstone 22x12x10 ins.17 ins.in the ground for  $\frac{1}{4}$  sec.cor.,marked  $\frac{1}{4}$  on W.face;and raise a mound of stone 2 ft.base  $1\frac{1}{2}$  ft.high W.of cor.Pits impracticable.

75.00

South side of lake.

Set a sandstone 14x8x6 ins.9 ins.in the ground for witness cor.to cor.of secs.9,10,15, and 16,marked W C on NE.face,with 4 notches on S.and 3 notches on E.edge; from which

A balsam 8 ins.diam.bears S.21°30'E.16 lks.dist.

marked W C T 3 N R 9 W S 15 B T

A spruce 12 ins.diam.bears S.61°W.130 lks.dist.

marked W C T 3 N R 9 W S 16 B T

80.00

Point for cor.of secs.9,10,15, and 16,falls in lake and corner cannot be set.

Land mountainous.

Soil rocky 4th rate.

Timber pine,spruce and balsam.

Mountainous or heavily timbered land 80.00 chs.

From the witness cor.to cor.of secs.9,10,15, and 16 I run

N.89°56'E.on an offset random line,

40.00

Run N.0°02'W.5.00 chs.and set temp. $\frac{1}{4}$  sec.cor.;continue random line N.89°56'E.

SUBDIVISION OF T.3 N.R.9 W.

Chains

- 80.10 Intersect N.and S.line 4 lks.S.of cor.of secs.10,11,14  
and 15; thence I run  
S. $89^{\circ}54'W$ .on a true line bet.secs.10 and 15  
Over mountainous land; ascending along S.slope through  
heavy pine and balsam timber.
- 20.00 Creek 10 lks.wide drains SE.; ascend abruptly.
- 40.05 Set a sandstone 16x8x8 ins.11 ins.in the ground for  $\frac{1}{4}$   
sec.cor.,marked  $\frac{1}{4}$  on N.face;from which  
A balsam 9 ins.diam.bears N. $78^{\circ}30'E$ .19 lks.dist.  
marked  $\frac{1}{4}$  S 10 B.T.  
A pine 16 ins.diam.bears S. $28^{\circ}45'E$ .49 lks.dist.  
marked  $\frac{1}{4}$  S 15 B.T
- 51.00 East edge of lake containing about 4 acres;offset as fol-  
lows: South 5.00 chs.; thence S. $89^{\circ}54'W$ .7.00 chs.;(later  
4.00 chs.outlet to lake 10 lks.wide drains SE.); thence  
N.5.00 chs.to
- 58.00 West edge of lake.
- 77.00 East edge of basin containing lake bears N.and S.
- 77.50 East edge of lake.  
Set a sandstone 16x10x10 ins.11 ins.in the ground for  
witness cor.to secs.9,10,15, and 16,marked W C on NE face  
with 4 notches on S.and 3 n-tches on E.edge;from which  
A pine 10 ins.diam.bears N. $16^{\circ}30'E$ .6 lks.dist.  
marked T 3 N R 9 W S 10 B.T.  
A pine 6 ins.diam.bears S. $5^{\circ}E$ .52 lks.dist.  
marked T 3 N R 9 W S 15 B.T
- 80.10 The cor.of secs.9,10,15, and 16,falls in lake and cannot  
be set.  
Land mountainous.  
Soil rocky 4th rate.  
Timber pine and balsam.  
Mountainous land heavily timbered 80.10 chs.

July 3, 1904.

## SUBDIVISION OF T.3 N.R.9 W.

Chains July 4, 1904.

Knowing that line bet. secs. 9 and 16 will intersect W.bdy of the Uintah Indian Reservation I proceed as follows:

From the witness cor. of secs. 9, 10, 15, and 16, which is 5.00 chs. S. $0^{\circ}02'$ E. of the true cor. point I run on offset line west 3.00 chs.; thence N. $0^{\circ}02'$ W. 5.00 chs.

3.00 West edge of lake bears N. and S.

Ascending over mountainous land; through scattering pine

35.00 Leave scattering pine timber..

38.08 Top of dividing ridge bears N. and S.

Intersect W.bdy. of the Uintah Indian Reservation,

Set a sandstone 24x10x6 ins. 18 ins. in the ground for closing cor. of secs. 9 and 16, marked CCUIR with 3 grooves on E., 4 grooves on S., and UFR on W. faces; and raise a mound of stone 2 ft. base  $1\frac{1}{2}$  ft. high E. of cor.

From the closing corner the 186th mile corner on the bdy. as established by Surveyors A.H. and F.M. Brown under their contract No. 264 bears as follows: S. $9^{\circ}52'$ W. 5.56 chs.; thence S. $17^{\circ}15'$ E. 12.60 chs. to mile post No. 186.

Land mountainous.

Soil rocky; 4th rate.

Timber scattering pine . . .

Mountainous land 38.08 chs.

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From witness cor. to secs. of secs. 9, 10, 15, and 16, which is 2.50 chs. N. $89^{\circ}54'$ E. of true point for cor. I run on offset line as follows:

10.00 N. $0^{\circ}02'$ W. 10.00 chs.; thence S. $89^{\circ}54'$ W. 2.50 chs. to North edge of lake bears E. and W.

Ascend.

35.00 Small spring on line.

40.00 Set a sandstone 16x12x6 ins. 11 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on W. face; from which

A pine 14 ins. diam. bears S. $68^{\circ}$ E. 19 lbs. dist.

SUBDIVISION OF T.3 N.R.9 W.

Chains.	marked $\frac{1}{4}$ S 10 B T
	A pine 16 ins. diam. bears S.38°W. 25 lks dist.
	marked $\frac{1}{4}$ S 9 B T
75.00	Leave timber, bears E. and W.; ascend over slide rock.
86.00	Set a sandstone 16x12x6 ins. 11 ins. in the ground for cor. of secs. 3, 4, 9, and 10; marked with 5 notches on S. and 3 notches on E. edge; and raise a mound of stone 2 ft. base 1 $\frac{1}{2}$ ft. high W. of cor. Pits impracticable.
	Land mountainous.
	Soil rocky; 4th rate.
	Timber pine.
	Mountainous or heavily timbered land 80.00 chs.

	N.89°54' E. on a random line bet. secs. 3 and 10
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.98	Intersect N. and S. line 4 lks. N. of cor. of secs. 2, 3, 10 and 11; thence I run
	S.89°56' W. on true line bet. secs. 3 and 10
	Ascend abruptly over slide rock.
10.00	Top of spur projects SE.
	Thence along S. slope.
36.99	Point for $\frac{1}{4}$ sec. cor. falls on sandstone in place, 6x10x5 ft. above ground, on which
	Cut a cross (X) at the exact corner point for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ N. of cross and raise a mound of stone 2 ft. base 1 $\frac{1}{2}$ ft. high N. of cor. Pits impracticable.
10.00	Spur projects. SE; ascending.
75.00	The cor. of secs. 3, 4, 9, and 10.
	Land mountainous.
	Soil rocky; 4th rate.
	No timber.
	Mountainous land 79.98 chs.

July 4, 1904.

## SUBDIVISION OF T.3 N.R.9 W.

Chains.

Knowing that line bet. secs.4 and 9 will intersect W.bdy. of Uintah Indian Reservation, I run

West on a true line bet. secs.4 and 9

Ascending over mountainous land.

15.70

Top of dividing ridge bears NE. and SW.

Intersect W.bdy. of Uintah Indian Reservation,

Set a sandstone 20x10x5 ins.15 ins.in the ground for closing corner of secs.4 and 9;marked CCUIR with 3 grooves on E., 5 grooves on S. and UFR on W.faces, and raise a mound of stone 2 ft.base 1½ ft. high E.of cor. Pits impracticable.

From the closing corner the half-mile corner between mile posts Nos.187 and 188, as established by Deputies A.H. and F.M.Brown under their contract No.264, bears N. 79°E. 13.13 chs.

Land mountainous.

Soil rocky; 4th rate.

No timber.

Mountainous land 15.70 chs.

N.0°02'W.bet.secs.3 and 4

Over mountainous land; ascending.

3.05

Top of dividing ridge bears NE. and SW.

Intersect W.bdy. of Uintah Indian Reservation,

Set a sandstone 16x14x6 ins.11 ins.in the ground for closing corner of secs.3 and 4,marked CCUIR,with 5 grooves on S.; 3 grooves on E. and UFR on N.faces; and raise a mound of stone 2 ft.base 1½ ft. high S.of cor.

From the closing corner the half-mile corner between mile posts Nos.187 and 188 on the boundary as established by Deputies A.H. and F.M.Brown under their contract No.264 bears S.79°W.2.87 chs.

Land mountainous.

## SUBDIVISION OF T. 3 N.R.O W.

Chains

Soil rocky; 4th rate.  
No timber.  
Mountainous land 3.05 chs.

From the cor.of secs. 4,5,32 and 33 on S.bdy.of Tp., heretofore described, I run

N.0°03'W.betsecs.32 and 33

Ascending over mountainous land through pine timber, and over slide rock.

15.00 Top of ridge bears NW. and SE.  
Thence along E.slope.

40.00 Point for  $\frac{1}{4}$  sec.cor.falls on sandstone in place 5x6x1 ft.above ground, on which  
Cut a cross (X) at the corner point for  $\frac{1}{4}$  sec.cor.  
marked  $\frac{1}{4}$  on W.side of cross; from which

A pine 18 ins.diam.bears S.53°W. 42 lks.dist.  
marked  $\frac{1}{4}$  S 32 B T

A pine 16 ins.diam.bears N.65°30'E. 95 lks.dist.  
marked  $\frac{1}{4}$  S 33 B T

42.00 Ascend over ledges.

51.00 Top of high spur projects NE.; descend.

74.00 Leave timber bears E. and W.

80.00 Set a sandstone 20x6x6 ins.15 ins.in the ground for cor.of secs. 28,29,32, and 33, marked with 1 notch on S.and 4 notches on E.edges; and raise a mound or stone 2 ft. base 1 $\frac{1}{2}$  ft.high W.of cor.Pits impracticable.

Land mountainous.

Soil rocky; 4th rate.

Timber pine.

Mountainous or heavily timbered land 80.00 chs.

July 5,1904.

July 6,1904.

## SUBDIVISION OF T.3 N.R.9 W.

Chains. East on a random line bet. secs. 28 and 33  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 79.95 Intersect N. and S. line 4 lks. N. of cor. of secs. 27, 28, 33, and 34; thence I run N.  $89^{\circ}58'W$ . on a true line bet. secs. 28 and 33  
 Ascending abruptly through live and fallen pine timber.  
 37.00 Top of high spur projects NE.; descend.  
 39.98 Set a sandstone 18x12x6 ins. 12 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{2}$  on N. face; from which  
     A pine 6 ins. diam. bears S.  $33^{\circ}E$ . 10 lks. dist.  
     marked  $\frac{1}{2}$  S 33 B T  
     A pine 7 ins. diam. bears N.  $14^{\circ}E$ . 14 lks. dist.  
     marked  $\frac{1}{2}$  S 28 B T  
 70.00 Leave timber bears N. and S.  
 79.95 The cor. of secs. 28, 29, 32 and 33.  
 Land mountainous.  
 Soil rocky; 4th rate.  
 Timber pine.  
 Mountainous or heavily timbered land 79.95 chs.

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Knowing that line bet. secs. 29 and 32 will intersect west boundary of the Uintah Indian Reservation I run West on a true line bet. secs. 29 and 32  
 Ascending over mountainous land.  
 20.00 Enter heavy pine timber bears N. and S.  
 40.00 Set a sandstone 15x9x6 ins. 10 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{2}$  on N. face; from which  
     A pine 16 ins. diam. bears N.  $52^{\circ}E$ . 48 lks. dist.  
     marked  $\frac{1}{2}$  S 29 B T  
     A pine 15 ins. diam. bears S.  $23^{\circ}E$ . 35 lks. dist.  
     marked  $\frac{1}{2}$  S 32 B T  
 65.33 Top of dividing ridge bears N. and S.  
 Intersect west boundary of the Uintah Indian Reservation

## SUBDIVISION OF T.3 N.R.9 W.

Chains. Point of intersection falls on sandstone in place 12x16x27 ins. above ground, on which. Cut a cross (X) at point for closing corner for secs. 29 and 32, marked with CCUIR and 5 grooves on E., 1 groove on S. and UFR. on W. of cross; from which A pine 7 ins. diam. bears N.88°30'E.46 lks. dist. marked T 3 N. R 9 W S 29 B T A pine 16 ins. diam. bears S.64°E.102 lks. dist. marked T 3 N R 9 W S 32B T From the closing corner, the 182d mile corner on the boundary as established by Deputies A.H. and F.M. Brown under their contract No. 264 bears S.12°30'E.7.58 chs. Land mountainous. Soil rocky 4th rate. Timber pine. Mountainous or heavily timbered land 65.33 chs.

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N.0°03'W. bet. secs. 28 and 29 Over mountainous land descending abruptly over slide rock and through scattering pine timber.

22.00 Enter heavy timber bears E. and W.

40.00 A white pine tree 10 ins. diam. for  $\frac{1}{4}$  sec. cor., I mark  $\frac{1}{4}$  S 29 on W. and 28 on E. side; from which A pine 6 ins. diam. bears N.20°E.10 lks. dist. marked  $\frac{1}{4}$  S 28 B T A pine 6 ins. diam. bears N.35°W.20 lks. dist. marked  $\frac{1}{4}$  S 29 B T

53.50 Draw and spring branch 6 lks. wide drains NE.

68.50 Ravine and creek 6 lks. wide drains easterly; ascend.

80.00 Set a sandstone 18x12x8. ins. 12 ins. in the ground for cor. of secs. 20, 21, 28, and 29, marked with 2 notches on S. and 4 notches on E. edge; from which A pine 12 ins. diam. bears N.52°E.40 lks. dist. marked T 3 N R 9 W S 21 B T

## SUBDIVISION OF T.3 N.R.9 W.

Chains      A pine 10 ins.diam.bears S. $75^{\circ}$ E.36 lks.dist.  
               marked T 3 N R 9 W S 28 B T  
               A pine 10 ins.diam.bears S. $45^{\circ}$ W.41 lks.dist.  
               marked T 3 N R 9 W S 29 B T  
               An aspen 8 ins.diam.bears N. $53^{\circ}$ W.38 lks.dist  
               marked T 3 N R 9 W S 20 B T  
               Land mountainous.  
               Soil rocky; 4th rate.  
               Timber pine and aspen.  
               Mountainous or heavily timbered land 80.00 chs.

July 6, 1904.

40.00      S. $89^{\circ}58'$ E.on a random line betsecs.21 and 28  
               Set temp. $\frac{1}{4}$  sec.cor.  
 80.00      Intersect. N.and S.line 5 lks.S.of cor.of secs.21,22,27,  
               and 28; thence I run  
               West on a true line betsecs.21 and 28  
               Ascending over mountainous land; through heavy timber.  
 24.00      Spur projects S.  
 36.00      Ravine drains S.  
 40.00      Point for  $\frac{1}{4}$  sec.cor.falls on a sandstone in place 18x  
               20x25 ins.above ground, on which  
               I cut a cross (X) at the corner point for  $\frac{1}{4}$  sec.cor.,  
               marked  $\frac{1}{4}$  on N.of cross; from which  
               A pine 16 ins.diam.bears S. $28^{\circ}$ W.14 lks.dist.  
               marked  $\frac{1}{4}$  S 28 B T  
               A pine 17 ins.diam.bears N. $26^{\circ}$ E.6 lks.dist.  
               marked  $\frac{1}{4}$  S 21 B T  
 53.00      Spur projects S.; descend.  
 65.00      Draw drains S.; ascend; enter burned timber bears N.and S.  
 74.00      Leave burned timber; enter live timber bears N.and S.  
 80.00      The cor.of secs.20,21,28, and 29.  
               Land mountainous.  
               Soil sandy and rocky 3d and 4th rate.

SUBDIVISION OF T.3 N.R.9 W.

Chains

Timber pine and aspen.

Mountainous or heavily timbered land 80.00 chs.

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Knowing that line bet. secs. 20 and 29 will intersect the W.bdy.of the Uintah Indian Reservation I run

West on a true line bet. secs. 20 and 29

Ascending along steep south slope.

19.00 Head of draw drains SE.

28.00 Spur projects SE.; ascend.

37.58 Top of dividing ridge bears NE. and SW.

Intersect W.bdy.of the Uintah Indian Reservation,

Set a sandstone 16x12x8 ins.11 ins.in the ground for closing cor.of secs. 20 and 29;marked CCUIR with 4 groove on E., 2 grooves on S., and UFR on W.faces;from which.

A pine 10 ins.diam.bears S.69°E.58 lks.dist.

marked T 3 N R 9 W S 29 B T

A pine 14 ins.diam.bears N.68°E.23 lks.dist.

marked T 3 N R 9 W S 20 B T

From the closing corner the  $\frac{1}{2}$  mile corner between mile posts Nos.183 and 184 on the boundary as established by Deputies A.H.and F.M.Brown under their contract No.264 bears S.58°W.5.14 chs.dist.

Land mountainous.

Soil rocky;4th rate.

Timber pine and aspen.

Mountainous or heavily timbered land 37.58 chs.

N.0°03'W.bet..secs. 20 and 21

Ascending over mountainous land;through heavy timber.

7.50 Ascend abruptly.

26.40 Top of dividing ridge bears NE. and SW..

Intersect west bdy.of the Uintah Indian Reservation.

Set a sandstone 17x12x6 ins.12 ins.in the ground for

## SUBDIVISION OF T.3 N.R.9 W.

Chains. closing corner of secs.20 and 21,marked CCUTR with 2 grooves on S.,4 grooves on E.and UFR on N.faces;from which A pine 6 ins.diam.bears S. $52^{\circ}$ W.23 lks.dist.  
marked T 3 N R 9 W S 20 B T  
A pine 10 ins.diam.bears S. $58^{\circ}$ E.171 lks.dist.  
marked T 3 N R 9 W S 21 B T  
From the closing corner the 184th mile corner on the boundary as established by Deputies A.H.and F.M.Brown under their contract No.264 bears as follows: S. $42^{\circ}$ W. 4.44 chs.;thence S. $86^{\circ}$ W.12.60 chs.to mile post No.184. Land mountainous.  
Soil rocky;4th rate.  
Timber pine and aspen.  
Mountainous or heavily timbered land 26.40 chs.

In order to complete the fractional west boundary of sec. 29,I proceed as follows:

From the closing cor.betsecs.29 and 30,heretofore described,I run

West on a blank line 14.67 chs.;thence N. $0^{\circ}04'$ W.30.24 chs.to top of dividing ridge bears NW.and SE.

Intersect West bdy.of Uintah Indian Reservation,  
Set a sandstone 12x12x6 ins.12 ins.inthe ground for closing corner of secs.29 and 30,marked CCUTR with 5 grooves on N.,5 grooves on E.and UFR on S.face;from which

A pine 8 ins.diam.bears N. $30^{\circ}$ E.25 lks.dist.

marked T 3 N R 9 W S 29 B T

A pine 6 ins.diam.bears N. $10^{\circ}$ W.15 lks.dist.

marked T 3 N R 9 W S 30 B T

From the closing cor.the half-mile corner bet.mile posts Nos.182 and 183 on the boundary as established by Deputies A.H.and F.M.Brown under their contract No.264, bears as follows:S. $15^{\circ}$ E.4.70 chs.;thence S. $79^{\circ}$ E.4.60 chs.to half-mile cor.bet.mile posts Nos.183 and 183.

## SUBDIVISION OF T.3 N.R.9 W.

CHAINS Thence I run

W.0°04' W.betsecs.29 and 30

Over mountainous land; through heavy pine timber

9.76 From closing corner last described

Set a sandstone 16x10x10 ins.11 ins.in the ground for  
 $\frac{1}{4}$  sec.cor., marked  $\frac{1}{4}$  on W.face; from which

A pine 6 ins.diam.bears N.65°W.70 lks.dist.

marked  $\frac{1}{4}$  S 30 B T

A pine 17 ins.diam.bears N.44°E.84 lks.dist.

marked  $\frac{1}{4}$  S 29 B T

19.13 Top of dividing ridge bears NE. and SW.

Intersect W.bdy.of Uintah Indian Reservation,

Set a sandstone 16x10x8 ins.11 ins.in the ground for  
closing cor.of secs.29 and 30, marked CCUIR with 2  
grooves on S., 5 grooves on E.and UFR on N.faces;from  
which

A pine 8 ins.diam.bears S.18°E.34 lks.dist.

marked T 3 N R 9 W S 29 B T

A pine 10 ins.diam.bears S.20°W.25 lks.dist.

marked T 3 N R 9 W S 30 B T

From the closing corner the 183d mile corner on the  
boundary, as established by Deputies A.H. and F.M.Brown,  
under their contract No.264, bears N.62°E.9.80 chs.

Land mountainous.

Soil sandy 3d rate.

Timber pine.

Mountainous land heavily timbered 19.13 chs.

July 17, 1904.

## SUBDIVISION OF T.3 N.R.9 W.

## GENERAL DESCRIPTION

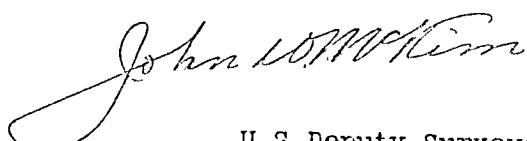
This township is wholly mountainous, and is covered with a heavy growth of pine, balsam and quaking asp timber.

The land is too rough to be used for agricultural or grazing purposes.

The North Fork of the DuChesne River runs through the entire township from NE. to SW., the country rising rapidly on either side of the river.

There are no settlers in the township.

There are no indications of mineral in the township.



U.S. Deputy Surveyor.

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**FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.****LIST OF NAMES.**

A list of the names of the individuals employed by \_\_\_\_\_

\_\_\_\_\_, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of \_\_\_\_\_

showing the respective capacities in which they acted:

For final affidavits see book "L" T. 4 N. R. 9 W., Chainman.

\_\_\_\_\_, Chainman.

\_\_\_\_\_, Moundman.

\_\_\_\_\_, Moundman.

\_\_\_\_\_, Axman.

\_\_\_\_\_, Axman.

\_\_\_\_\_, Flagman.

**FINAL OATH OF ASSISTANTS.**

We hereby certify that we assisted \_\_\_\_\_

\_\_\_\_\_, United States Deputy Surveyor, in surveying all those parts or portions of the \_\_\_\_\_

of the \_\_\_\_\_

meridian, \_\_\_\_\_ of \_\_\_\_\_, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for \_\_\_\_\_.

For final affidavits see book "L" T. 4 N. R. 9 W., Chainman.

\_\_\_\_\_, Chainman.

\_\_\_\_\_, Moundman.

\_\_\_\_\_, Moundman.

\_\_\_\_\_, Axman.

\_\_\_\_\_, Axman.

\_\_\_\_\_, Flagman.

Subscribed and sworn to before me this \_\_\_\_\_  
day of \_\_\_\_\_, 190 \_\_\_\_\_ }

○○○○○  
O SEAL O  
○○○○○

## FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, \_\_\_\_\_, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from \_\_\_\_\_, bearing date of the United States Surveyor General for \_\_\_\_\_, day of \_\_\_\_\_, 190\_\_\_\_\_, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for \_\_\_\_\_, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of \_\_\_\_\_.

For final affidavit see book "K" T. 4 N.R. 9 W.

of the \_\_\_\_\_ meridian, in the \_\_\_\_\_ of \_\_\_\_\_, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for \_\_\_\_\_ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

*United States Deputy Surveyor.*

Subscribed by said \_\_\_\_\_, and sworn to before me }  
this \_\_\_\_\_ day of \_\_\_\_\_, 190 }



## APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, December 12, 1904

The foregoing field notes of the survey of the subdivisional lines of Township No. 3 North, Range No. 9 West of the Uintah Special Base and Meridian, Utah,

executed by \_\_\_\_\_ John W. McKim  
under his contract No. 277, dated July 22, 1903, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

*United States Surveyor General*

I certify that the foregoing transcript of the field notes of the above-described surveys in \_\_\_\_\_, has been correctly copied from the original notes on file in this office.

*United States Surveyor General*

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BOOK A-312

FILED

"L"

SEP 30 1904  
*W.H.B.*

## FIELD NOTES

OF THE SURVEY OF THE

S U B D I V I S I O N

O F

T O W N S H I P N O 4 N O R T H

R A N G E N O 9 W E S T

*Of the Uintah Special Base and Meridian,*

U T A H.

AS SURVEYED BY

John W. McKim, United States Deputy Surveyor,

Under his Contract No. 377, dated July 22, 1903.

Survey commenced July 10, 1904.

Survey completed July 15, 1904.

6-161

11-68 ✓  
15-11 ✓  
2-50-69 ✓

NAMES AND DUTIES OF ASSISTANTS.

Ray Streeper Chainman.  
Lyman Haymond Chainman.  
John Streeper Moundman.  
Henry W. Curtis Axman.  
George Russell Axman.  
James S. Houtz Flagman.

For preliminary affidavits see book "C" T.1 N.R.10 W.

6-161

Volume

#

R0312

BOOK A-312

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Township 4 North, Range 9 ~~West~~

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## PRELIMINARY OATHS OF ASSISTANTS.

WE, ..... and .....  
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

....., Chainman.

....., Chainman.

Subscribed and sworn to before me this ..... }  
day of ..... , 190 }  
                                                          {



WE, ..... and .....  
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

....., Moundman.

....., Moundman.

Subscribed and sworn to before me this ..... }  
day of ..... , 190 }  
                                                          {



WE, ..... and .....  
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

....., Axman.

....., Axman.

Subscribed and sworn to before me this ..... }  
day of ..... , 190 }  
                                                          {



I, ..... , do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of .....

....., Flagman.

Subscribed and sworn to before me this ..... }  
day of ..... , 190 }  
                                                          {



## SUBDIVISIONS OF T. 4 N., R. 8 W.

## CHAINS

Survey commenced July 10, 1904, and executed with a C.L. Berger & Sons' mining transit, for the description of which see book "A" of this survey.

I correct the level and collimation errors and at the cor. of secs. 1-2-35 and 36, heretofore described, on the S. bdy. of the Tp., in. latitude  $40^{\circ}42'N.$ , longitude  $110^{\circ}53'W.$ , at 0h 14m a.m., l.m.t., I observe Polaris at eastern elongation in accordance with the Manual of Instructions and mark a point in the line thus determined by a tack driven in a wooden peg set in the ground, 5 chs. N. of my station.

At 7h a.m., l.m.t., I lay off the azimuth of Polaris,  $1^{\circ}36'$  to the west, and mark the meridian thus determined by cutting a cross on a stone firmly set in the ground, west of the mark established early this morning.

The magnetic bearing of the true meridian is N.  $17^{\circ}00'W.$ , which gives the magnetic decl.  $17^{\circ}00'E.$

From the above described cor., I run

N.  $0^{\circ}01'W.$ , bet. secs. 35 and 36.

Over mountainous land through heavy pine timber, descend.

25.50 Bottom of creek, 12 lks. wide, 5 ins. deep, in bottom of gulch, 200 ft. deep, course S. to SE.

32.00 Leave creek bottom, course SW. to S..

Ascend.

40.00 Set a sandstone, 14x10x10 ins., 9 ins. in the ground, for  $\frac{1}{2}$  sec. cor., marked  $\frac{1}{4}$  on W. face; from which

A pine, 11 ins. diam., bears S.  $37^{\circ}W.$ , 24 lks. dist., marked  $\frac{1}{4}$  S. 35 B T..

A pine, 12 ins. diam. bears N.  $54^{\circ}E.$ , 58 lks. dist., marked  $\frac{1}{4}$  S. 36 B T..

68.00 Top of spur projects E..

Descend.

78.00 Spring branch, 5 lks. wide, 2 ins. deep, course SE..

Ancend..

## SUBDIVISIONS OF T.4 N., R.9 W.

## CHAINS

80.00 Set a sandstone, 16x10x7 ins., 11 ins. in the ground, for cor. of secs. 25-26-35 and 36, marked with 1 notch on the S. and E. edges; from which

A pine, 12 ins. diam., bears N.79°00'E., 35 lks. dist., marked T 4 N R 9 W S 25 B T.

A pine, 14 ins. diam., bears S.47°E., 16 lks. dist., marked T 4 N R 9 W S 36 B T.

A pine, 8 ins. diam., bears S.80°W., 14 lks. dist., marked T 4 N R 9 W S 35 B T.

A pine, 16 ins. diam., bears N.57°30'W., 49 lks. dist., marked T 4 N R 9 W S 26 B T.

Land, mountainous.

Soil: rocky, 3rd and 4th rate.

Timber, pine

Mountainous and heavily timbered land on 80.00 chs.

East on a random line bet. secs. 25 and 36.

40.00 Set temp.  $\frac{1}{4}$  sec. cor..

80.04 Intersect E. bdy. of the Tp., 4 lks. S. of the cor. of secs. 25\_30\_31 and 36, which is a sandstone, 4x8x6 ins. above ground, marked and witnessed as described by Fred Johnson, D.S., under his cont., No. 276.

Thence I run

S.89°58'W., on a true line bet. secs. 25 and 36.

Over mountainous land descend through heavy pine timber.

29.00 E. edge of basin bears N. and S.

38.00 W. edge of basin bears N. and S.

40.02 Set a sandstone, 16x8x6 ins., 11 ins. in the ground, for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on N. face; from which

A pine, 7 ins. diam., bears N.17°W., 7 lks. dist., marked  $\frac{1}{4}$  S 25 B T.

A pine, 10 ins. diam., bears S.29°W., 28 lks. dist., marked  $\frac{1}{4}$  S 36 B T.

45.00 Creek, 12 lks. wide, 5 ins. deep, course S.6°W..

## SUBDIVISIONS OF T.4 N., R.9 W.

CHAINS	
55.00	Creek, 3 ins. deep, 7 lks. wide, in bottom of draw 100 ft. deep, course S. Ascend.
62.00	Top of spur projects SE. Descend.
67.00	Bottom of hollow 100 ft. deep, course S. Ascend.
72.00	Top of spur projects S. Descend.
79.00	Spring branch 2 lks. wide, 1 in. deep, course SE. Ascend.
80.04	The cor. of secs. 25-26-35 and 36. Land, mountainous. Soil, rocky 3rd and 4th rate. Timber, pine. Mountainous and heavily timbered land on 80.04 chs.
	N.0°01'W., bet. secs. 25 and 26. Over mountainous land descend through heavy pine timber.
1.00	Spring branch, 2 lks. wide, 1 in. deep, course SE. Ascend.
40.00	Set a sandstone 16x10x10 ins. 11 ins. in the ground, for $\frac{1}{4}$ s cor., marked $\frac{1}{4}$ on W. face from which. A pine 16 ins. diam. bears S.55° E. 40 lks. dist. marked $\frac{1}{2}$ S25 B
	A pine 10 ins. diam. bears S.83° W. 25 lks. dist. marked $\frac{1}{2}$ S26 B
80.00	Set a sandstone 18x10x8 ins. 12 ins. in the ground, for cor of secs. 23-24-25 and 26, marked with 2 notches on the S. and 1 notch on the E. edge; from which A pine 6 ins. diam. bears N.68° E. 25 lks. dist. marked T4N R9W S 24 B T. A pine 8 ins. diam. bears S.34° E. 36 lks. dist. marked T 4 N R 9 W S 25 B T. A pine 10 ins. diam. bears S.28° W. 29 lks. dist. marked T 4 N R 9 W S 26 BT. A pine 10 ins. diam. bears N.20° W. 18 lks. dist. marked T 4 N R 9 W S 23 BT. Land, mountainous. Soil, rocky 3rd and 4th rate. Timber, pine. Mountainous and heavily timbered land on 80.00 chs.

## SUBDIVISIONS OF T.4 N., R.9 W.

- CHAINS  
N.89°58' E.on a random line bet.secs.24. and 25.  
3.84 Set temp.closing cor.on U.I.R.N.bdy.  
16.81 Set temp.closing cor.on U.I.R.N.bdy.  
40.00 Set temp. $\frac{1}{4}$  sec.cor.  
60.18 Intersect E.bdy.of the Tp.5 lks.N.of the cor.of secs.19-  
24-25 and 30,which is a sandstone 6x8x8 ins.above ground  
marked and witnessed as described by Fred Johnson,D.S.unde.  
his contract No.276.  
Thence I run  
West, on a true line bet.secs.24 and 25 over mountainous  
land ascend along south slope through scattering pine timber  
40.09 Set a sandstone 14x8x10 ins.9 ins.in the ground for  $\frac{1}{4}$  sec  
cor.marked  $\frac{1}{4}$  on N.face, and raise a mound of stone 2 ft.  
base  $1\frac{1}{2}$  ft.high N.of cor. Pits impracticable.  
63.37 Intersect N.bdy.of Uintah Indian Reservation.Ridge bears  
E.and W. Set a sandstone 18x10x6 ins.12 ins.in the ground  
for closing cor.to secs.24 and 25.marked CCUTR with 1 groove  
on the E. U.F.R. on the N. and 2 grooves on S.face;raise a  
mound of stone 2 ft.base  $1\frac{1}{2}$  ft high E. of cor.From the  
closing cor.the  $\frac{1}{2}$ M.cor.bet.59th and 60th mile cors.on the  
bdy.as established by Deps.A.H.& F.M.Brown,bears N.83°E.615.28 chs  
Thence on a blank line along top of divide.  
66.34 Intersect N.bdy.of Uintah Indian Reservation,Set a sandstone  
18x8x6 ins.12 ins.in the ground for closing cor.to secs.24  
and 25,marked CC with 1 groove on W.UFR on N.and UIR with  
2 grooves on S.and raise a mound of stone 2 ft.base  $1\frac{1}{2}$  ft.  
high W.of cor.From the closing cor.the  $\frac{1}{2}$ M.cor.bet.the 59th  
and 60th mile cors.on the bdy.as established by Deputies.  
A.H. and F.M.Brown,bearst S.80°30' E.1.28 chs.to angle cor.  
thence N.83°E.17.00 chs.to  $\frac{1}{2}$ M.cor.bet.59th and 60th mile ors  
Descend  
The cor.of secs.23-24-25 and 26.  
Land,mountainous.  
Soil rocky 3rd and 4th rate.  
Timber scattering pine.  
Mountainous land on 77.21 chs.

## SUBDIVISIONS OF T.4 N., R.9 W.

## CHAINS

N. $0^{\circ}01'W.$ , bet. secs. 23 and 24.

Ascend over mountainous land.

8.00 Top of dividing ridge bears NW. and SE.

Intersect North Boundary of Uintah Indian Reservation.

Set a sandstone, 18x10x8 ins., 12 ins. in the ground, for closing cor. of secs. 23 and 24, marked

C C U I R with 2 grooves on the S.,

1 groove on the E., and

U F R on the N. faces; and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, S. of cor.

Pits impracticable.

From the closing cor., the 60 mile cor. on the bdy., as established by Deputies A. H. and F. M. Brown, under their Cont., No. 264, which in a sec. 35, bears N. $52^{\circ}30'W.$ , 5.35 chs. dist.

Land, mountainous.

Soil, rocky, 4th rate.

No timber.

Mountainous land on 8.00 chs.

July 12, 1904.

From the cor. of secs. 2-3-34 and 35, heretofore described on the S. bdy. of the Tp., I run

N. $0^{\circ}02'W.$ , bet. secs. 34 and 35.

Descend gradually over mountainous land through heavy pine timber.

5.00 Spring branch, 2 lks. wide, 1 ins. deep, in bottom of draw 100 ft. deep, course E.

Ascend.

9.00 Top of low ridge bears E. and W.

Descend.

16.00 Creek, 8 lks. wide, 3 ins. deep, course E.

Ascend.

20.00 Top of spur projects E.

## SUBDIVISIONS OF T.4 N., R.9 W.

## CHAINS

- Descend.
- 38.50 Creek, 10 lks. wide, 4 ins. deep, in bottom of ravine, 200 ft. deep, course E.
- Ascend.
- 40.00 Set a sandstone, 20x8x5 ins., 15 ins. in the ground, for  $\frac{1}{2}$  sec. cor., marked  $\frac{1}{4}$  on W. face; from which  
A pine, 16 ins. diam., bears S.43°E., 54 lks. dist.,  
marked  $\frac{1}{4}$  S 35 B T.  
A pine, 12 ins. diam., bears S.33°30'W., 20 lks. dist.,  
marked  $\frac{1}{4}$  S 34 B T.
- 42.00 Top of spur projects SE.
- Descend.
- 54.00 Ascend.
- 70.00 Top of spur projects SE.
- Descend.
- 80.00 Point for sec.cor. falls on a sandstone rock in place,  
 $4 \times 4 \times 1\frac{1}{2}$  ft. above ground; cut a cross(x) at exact cor. point  
for cor. of secs. 26-27-34 and 35, marked with 1 groove  
on the S. and 2 grooves on the E. side of cross; from which  
A pine, 18 ins. diam., bears N.39°E., 59 lks. dist.,  
marked T 4 N R 9 W S 26 B T.  
A pine, 16 ins. diam., bears S.74°E., 14 lks. dist.,  
marked T 4 N R 9 W S 35 B T.  
A pine, 8 ins. diam., bears S.54°W., 44 lks. dist.,  
marked T 4 N R 9 W S 34 B T.  
A pine, 20 ins. diam., bears N.52°W., 48 lks. dist.,  
marked T 4 N R 9 W S 27 B T.
- Land, mountainous.
- Soil: rocky, 3rd and 4th rate.
- Timber, pine.
- Mountainous and heavily timbered land on .80.00 chs.

## SUBDIVISIONS OF T.4 N., R.9 W.

CHAINS	
	East on a random line bet. secs. 26 and 35.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.40	Intersect N. and S. line, 22 lks. S. of the cor. of secs. 25-26-35 and 36. Thence I run S. $89^{\circ}51'W.$ , on a true line bet. secs. 26 and 35. Over mountainous land through heavy pine timber, descend.
13.00	Creek, 6 lks. wide, 2 ins. deep, course SE. Ascend.
32.00	Lake, area about 2 acres, bears N., 1.00 chs. dist.
40.20	Point for $\frac{1}{4}$ sec. cor. falls on a sandstone rock in place, 25x18x12 ins. above ground; cut a cross (x) at exact cor. point for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. side of cross; from which A pine, 10 ins. diam., bears N. $43^{\circ}30'E.$ , 50 lks. dist., marked $\frac{1}{4}$ S 26 B.T. A pine, 9 ins. diam., bears S. $75^{\circ}30'E.$ , 13 lks. dist., marked $\frac{1}{4}$ S 35 B.T.
54.00	Top of spur projects SE. Descend.
73.00	Head of hollow, course SE. Ascend.
80.40	The cor. of secs. 26-27-34 and 35. Land, mountainous. Soil: rocky, 3rd and 4th rate. Timber, pine. Mountainous and heavily timbered land on 80.40 chs.
	Knowing the line bet. secs. 27 and 34 will intersect the North Boundary of the Uintah Indian Reservation, I run West on a true line bet. secs. 27 and 34.

(8) SUBDIVISIONS OF T.4 N., R.9 W.

CHAINS

over mountainous land along the North slope of a high ridge.

9.67 East edge of lake.

Set a sandstone, 17x7x7 ins., 11 ins. in the ground, for meander cor. of fractl secs. 27 and 34, marked N C on N. face, with 1 groove on the S. face, from which

A pine, 14 ins. diam., bears N. 20° E., 39 lks. dist., marked T 4 N R 9 W S 27 M C B T.

A pine, 10 ins. diam., bears S. 36° E., 27 lks. dist., marked T 4 N R 9 W S 34 M C B T.

Offset as follows: North 5.00 chs.; thence

E., 13.67 chs.; thence

S., 5.00 chs., to

23.34 W. edge of lake.

Set a sandstone, 18x10x6 ins., 12 ins. in the ground, for meander cor. of fractl secs. 27 and 34, marked N C on N. face, with 1 groove on S. face, from which

A pine, 10 ins. diam., bears N. 40° E., 37 lks. dist., marked T 4 N R 9 W S 27 M C B T.

A pine, 14 ins. diam., bears S. 46° W., 66 lks. dist., marked T 4 N R 9 W S 34 M C B T.

38.00 Small lake, area about 2 acres, bears N., 2.00 cha. dist.

40.00 Set a sandstone, 17x10x8 ins., 11 ins. in the ground, for meander cor., marked  $\frac{1}{2}$  on N. face; from which

A pine, 12 ins. diam., bears N. 53° 30' E., 68 lks. dist., marked  $\frac{1}{2}$  S 27 B T.

A pine, 9 ins. diam., bears S. 2° W., 17 lks. dist., marked  $\frac{1}{2}$  S 34 B T.

46.00 Lake, area about 4 acres, bears S., 10.00 cha. dist.

51.00 Top of spur projects SW.

Descend.

59.01 Bottom of hollow, 101 ft. deep, course SW.

(99)

SUBDIVISIONS OF T.4 N., R.9 W.

CHAINS

Ascend.

- 79.00 Top of mountain divide bears NE. and SW.  
 Intersect N. Bdy. of Uintah Indian Reservation.  
 Set a sandstone, 16x12x6 ins., 11 ins. in the ground, for  
 closing cor. of secs. 27 and 34, marked  
     C.C.U I R with 3 grooves on the E., 1 groove on the  
     S., and U F R on W. faces, from which  
     A pine, 10 ins. diam., bears S. 31° E., 1.15 chs. dist.,  
     marked T 4 N R 9 W S 34 B T.  
     A pine, 10 ins. diam., bears N. 44° E., 24 lks. dist.,  
     marked T 4 N R 9 W S 27 B T.  
 From the closing cor., the 64 mile cor., on the N. bdy.,  
 which is a sandstone, 6 x 10 x 8 ins. above ground, marked  
 and witnessed as described by Deputies A.H. and F.M. Brown  
 under their contract., No. 264, bears S. 6° 49' W., 19.80  
 chs. dist.
- Land, mountainous.  
 Soil; rocky, 4th rate.  
 Timber pine.  
 Mountainous and heavily timbered land on 79.00 chs.
- July 13, 1904.
- 
- N. 0° 02' W., bet. secs. 26 and 27.  
 Over mountainous land ascend through heavy pine timber.
- 34.00 Spring branch, 3 lks. wide, in bottom of hollow, 100 ft. deep  
 course SW.
- 38.00 Spring branch, 2 lks. wide, 1 ins. deep, course SW.  
 Ascend.
- 40.00 Set a sandstone, 18x14x12 ins., 12 ins. in the ground, for  
 $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on W. face; from which  
     A pine, 10 ins. diam., bears S. 66° E., 13 lks. dist.,  
     marked  $\frac{1}{4}$  S 26 B T.  
     A pine, 8 ins. diam., bears S. 87° W., 40 lks. dist.,  
     marked  $\frac{1}{4}$  S 27 B T.

## SUBDIVISIONS OF T.4 N., R.9 W.

CHAINS

55.00 Top of spur projects SE.

Descend.

70.00 Creek, 5 lks. wide, 3 ins. deep, course SE.

Ascend.

80.00 Set a sandstone, 17x10x6 ins., 11 ins. in the ground, for cor. of secs. 22-23-26 and 27, marked with 2 notches on the S. and E. edges; from which

A pine, 20 ins. diam., bears N.  $68^{\circ}$  E., 24 lks. dist., marked T 4 N R 9 W S 23 B T.

A pine, 12 ins. diam., bears S.  $44^{\circ}$  E., 33 lks. dist., marked T 4 N R 9 W S 26 B T.

A pine, 16 ins. diam., bears S.  $79^{\circ}$  W., 30 lks. dist., marked T 4 N R 9 W S 27 B T.

A pine 14 ins. diam., bears N.  $11^{\circ}$  W., 27 lks. dist., marked T 4 N R 9 W S 22 B T.

Land, mountainous.

Soil; rocky, 3rd and 4th rate.

Timber, pine.

Mountainous and heavily timbered land on 80.00 chs.

N.  $89^{\circ} 51'$  E., on a random line bet. secs. 23 and 26.40.00 Set temp.  $\frac{1}{4}$  sec. cor.

80.30 Intersect N. and S. line, 15 lks. N. of the cor. of secs. 23-24-25 and 26.

Thence I run

S.  $89^{\circ} 57'$  W., on a true line

bet. secs. 23 and 26.

Over mountainous land ascend along the south slope of a high ridge, through heavy pine timber.

40.15 Set a sandstone, 16x8x6 ins., 11 ins. in the ground, for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on N. face; from which

A pine, 8 ins. diam., bears N.  $10^{\circ}$  W., 28 lks. dist., marked  $\frac{1}{4}$  S 23 B T.

A pine, 10 ins. diam., bears S.  $18^{\circ}$  E., 18 lks. dist.,

SUBDIVISIONS OF T.4 N., R.9 W.

marked  $\frac{1}{4}$  S 26 B T.

- 80.30 The cor. of secs. 22-23-26 and 27.  
 Land, mountainous.  
 Soil; rocky, 3rd rate.  
 Timber, pine.  
 Mountainous and heavily timbered land on 80.30 chs.

July 14, 1904.

- Knowing the line bet. secs. 22 and 27 will intersect N. Bdy. of Uintah Indian Reservation, I run West on a true line bet. secs. 22 and 27.  
 Ascend over mountainous land through heavy pine timber.
- 0.45 East. edge of lake.  
 Point for cor. falls on a sandstone rock in place, 6x4x1 ft. above ground; cut a cross (x) at exact cor. point, for meander cor. of fractl. secs. 22 and 27, marked M C on W. with 2 grooves on the S. side of cross, from which  
     A pine, 16 ins. diam., bears S.71° E., 16 lks. dist.,  
     marked T 4 N R 9 W S 27 M C B T.  
     A pine, 10 ins. diam., bears N.56° E., 49 lks. dist.,  
     marked T 4 N R 9 W S 22 M C B T.  
 Offset as follows:  
     S., 7.50 chs.,  
     West 20.00 chs.,  
     N., 7.50 chs.,  
     E. 1.84 chs to west edge of lake, at  
 18.61 Set a sandstone, 17x12x10 ins., 11 ins. in the ground, for meander cor. of fractl. secs. 22 and 27, marked with 2 grooves on S and M C on E. face; from which  
     A pine, 6 ins. diam., bears S.41°30' W., 50 lks. dist.,  
     marked T 4 N R 9 W S 27 M C B T.  
     A pine, 12 ins. diam., bears N.86° W., 33 lks. dist.,  
     marked T 4 N R 9 W S 22 M C B T.  
 25.00 Leave timber.  
 30.85 Top of mountain divide bears NW. and SE.

## SUBDIVISIONS OF T. 4 N., R. 9 W.

CHAINS

Intersect N.bdy. of the Uintah Indian Reservation.

Set a sandstone, 18x10x6 ins., 12 ins. in the ground, for closing cor. of secs. 22 and 27, marked

C C U I R with 2 grooves on the E.,

2 grooves on the S., and

U F R on W. faces; and raise a mound of stone, 2 ft. bas  $1\frac{1}{2}$  ft. high, E. of cor.

Pits impracticable.

From the closing cor., the 62 mile cor. on the N.bdy., which is a sandstone, 6x12x8 ins. above ground; marked as described by A.H. and F.M. Brown, deputy surveyors, under their cont., No. 264, bears  $N.57^{\circ}07'W.$ , 4.20 chs. dist.

Land, mountainous.

Soil, rocky, 3rd rate.

Timber, pine.

Mountainous or heavily timbered land on 30.85 chs.

$N.0^{\circ}02'W.$ , bet. secs. 22 and 23.

Over mountainous land through heavy pine timber.

2.93

S. edge of lake.

Point for cor. falls on a sandstone rock in place, 12x10x1 ft. above ground; cut a cross (x) at exact cor. point, for meander cor. of fract. secs. 22 and 23 marked with 2 grooves on the E., and MC on the N. side of cross; from which

A pine, 6 in. diam., bears  $S.27^{\circ}W.$ , 6 lks. dist., marked T 4 N R 9 W S 22 M C B T.

A pine, 7 ins. diam., bears  $N.86^{\circ}E.$ , 30 lks. dist., marked T 4 N R 9 W S 23 B T.

Offset as follows:

E., .5 chs.,

$N.0^{\circ}02'W.$ , on offset line, 3.37 chs.

W., 5.00 chs.

6.30

North edge of lake.

SUBDIVISION OF T 4 N. P 9 W

- Chains Set a sandstone, 16x10x6 ins., 11 ins. in the ground, for meander cor. of fract. secs. 22 and 23, marked M C on S., with 2 grooves on the E., faces; from which  
 A pine, 4 ins. diam., bears N. 41° 30' W.,  
 62 lks. dist., marked T 4 N. R 9. W S 22 M C B T.  
 A pine, 12 ins. diam., bears N. 10° E.,  
 27 lks. dist., marked T 4 N. R 9. W S 23 M C B T.
- 30.00 Leave timber, bearing E. and W.
- ~ 35.25 Top of mountain divide, bears NE. and SW.  
 Intersect N. bdy. of Uintah Indian Reservation.  
 Set a sandstone, 16x8x6 ins., 11 ins. in the ground, for closing cor. of secs. 22 and 23, marked  
 CCUIR with 2 grooves on the S.  
 2 grooves on the E., and  
 UFR on the N. faces; and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, S. of cor. Pits impracticable.  
 From the closing cor., the Elmile cor., on the North Bdy. which is a sandstone, 7x12x6 ins., above ground, marked as described by A.H. and F.M. Brown, Deputy Surveyors, under their cont., No. 264, bears N. 81° 45' E., 3.20 chs. dist.  
 Land, mountainous.  
 Soil, rocky; 4th rate.  
 Timber, pine.  
 Mountainous land, 35.25 chs.
- 
- In order to complete the fractional west Bdy. of secs. 34, I proceed as follows;  
 From the closing cor., of secs. 3 and 34, on the S. bdy. of Tp., heretofore described, I run west on a blank line 8.72 chs.; thence N. 0° 02' W., 22.15 chs. to
- 22.15 Top of mountain divide bears NW. and SE.  
 Intersect W. bdy. of the Uintah Indian Reservation.  
 Set a sandstone, 18x10x8 ins., 12 ins. in the ground, for closing cor. of secs. 33 and 34, marked  
 CCUIR with 6 grooves on the N., 3 grooves on the E., and UFR on S., faces and raise a mound of

SUBDIVISION OF T. 4 N., R. 9 W.

Chains 2 ft. base,  $1\frac{1}{2}$  ft. high, N. of cor.

From the closing cor., the 189 mile cor. on the bdy. a which is a sandstone, 19x12x8 ins. above ground, marked as described by Deputies A.H. and F.M. Brown, under their cont., No. 264, bears S. $21^{\circ}30' E.$ , 19.20 chs. dist.

Thence I continue line.

N. $06^{\circ}02' W.$ , bet. secs. 33 and 34.

Over mountainous land; along the E. slope of ridge.

40.00 Set a sandstone 16x7x5 ins., 11 ins. in the ground, for  $\frac{1}{2}$  sec. cor., marked  $\frac{1}{2}$  on W. face; and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor. Pits impracticable.

50.00 Enter heavy pine timber, bearing NE. and SW.

72.70 Top of mountain divide, bears NE. and SW.

Intersect North Boundary of Uintah Indian Reservation.

Set a sandstone, 16x8x6 ins., 11 ins. in the ground, for closing cor. of secs. 33 and 34, marked

CCUIR with 1 groove on S.,

3 grooves on E., and

UFR on N. faces; from which

A pine, 8 ins. diam., bears S. $4^{\circ}W.$ ,

15 lks. dist., marked T 4 N R 9 W S 33 B T.

A pine, 10 ins. diam., bears S. $32^{\circ}E.$

18 lks. dist., marked T 4 N R 9 W S 34 B T.

From the closing cor., the 64th mile cor., which is a sandstone, 10x8x6 ins. above ground, marked and witnessed as described by Deputies A.H. and F.M. Brown, under their contract No. 264, bears S. $6^{\circ}49' W.$ , 11.80 chs. dist.

Land, mountainous.

Soil, rocky; 4th rate.

Timber, pine.

Mountainous or heavily timbered land on 50.55 chs.

July 15, 1904.

## Meanders in T.4 N., R.9 W.

Meanders of lake in secs. 27 and 34.

I commence at the meander cor. of fract. secs. 27 and 34, on east side of lake, heretofore described.

Thence I run with meanders in sec. 34, over rolling land, through heavy pine timber. and dense undergrowth.

S.48°W., 2.50 chs.

S.35°W., 6.00 "

S.0°30'W., 7.50 "

S.8°E., 3.30 "

S.78°15'E., 3.10 "

S.15°W., 3.00 "

N.75°45'W., 2.90 "

S.77°00'W., 4.10 "

S.38°30'W., 2.30 "

S.1°W., 6.00 At 5.00 chs., outlet to lake,  
S.58°45'W. 4.00 10 lks. wide, 6 ins. deep, course SE.

N.68°W., 6.70 "

N.11°15'W., 9.70 "

N.1°15'W. 8.75 "

At 4.00 chs., inlet to lake, 6 lks. wide, course SW.

N.14°45'W., 4.10 "

N.50°E., 5.25 " At 1.00 chs., inlet to lake, 8 lks. wide, 4 ins. deep, course SW.

N.50°15'E., 6.40 " To meander cor. of fract. secs. 27 and 34.

Land, level and rolling.

Soil: sandy loam. 2nd rate.

Timber pine.

Heavily timbered land and dense undergrowth on 86.80 chs.

July 16, 1904.

Thence in sec. 27.

Through heavy pine timber and dense undergrowth.

N.72°E., 6.40 chs.

N.74°30'W., 5.40 chs. At 5.00 chs., Inlet to lake, 10

S.75°E., 2.30 " lks. wide, 5 ins. deep, course S.

S.3°E. 2.90 " To meander cor. of fract. secs. 27 and 34.

## MEANDERS IN T.4 N., R.9 W.

Land rolling.

Soil: sandy loam, 2nd rate.

Timber, pine

Heavily timbered land and dense undergrowth on 17.00 chs

Meanders of lake in secs. 22-23 and 27.

I begin at the meander cor. of fract. secs. 22 and 27, on E. edge of lake, heretofore described, and run with meander in sec. 27.

Over rolling land through heavy pine timber and dense undergrowth.

S. 45°30'W., 2.63 chs.

S. 14°15'W., 5.00 At 4.75 outlet to lake 6 lks. wide, course SE.

West 6.64

N. 22°W., 3.90 ✓

S. 81°30'W., 1.00 ✓

S. 39°W., 4.34 ✓

S. 85°30'W., 4.15 ✓

N. 13°15'W., 2.60 ✓

N. 35°E., 2.44 ✓

N. 0°30'E., 2.40 ✓ To meander cor. of fract. secs. 22 and 27, on W. edge of lake heretofore described.

Land, rolling.

Soil: sandy loam, 2nd rate.

Timber, pine.

Heavily timbered land and dense undergrowth on 35.10 chs

Thence in sec. 22

Through heavy pine timber and dense undergrowth.

N. 27°W. 6.50 chs.

N. 66°E. 6.00 chs.

N. 86°E. 3.50 ✓

S. 56°45'E. 3.50 ✓

N. 52°30'E. 3.00 ✓

S. 73°56'E. 7.50 to meander cor. of fract. secs. 22 and 23, on N. edge of lake, heretofore described.

## MEANDERS IN T.4 N., R.9 W.

Land, rolling.

Soil: sandy loam, 2nd rate.

timber, pine.

Heavily timbered land and dense undergrowth on 30.00 chs.

---

Thence in sec. 23.

Over rolling land through heavy pine timber.

S.65° E. 4.50 chs.

S.70° W. 4.33, " To meander cor. of fract. secs.

22 and 23 on S. edge of lake heretofore described.

Land, rolling.

Soil: sandy loam, 2nd rate.

Timber, pine.

Heavily timbered land on 8.83 chs.

---

Thence in sec. 22

Over rolling land through heavy timber.

S.8°45' W. 2.96 chs To meander cor. of fract. secs. 22 and 27, heretofore described.

Land, rolling.

Soil: sandy loam, 2nd rate.

Timber, pine.

Mountainous land on 2.96 chs.

July 17, 1904.

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#### GENERAL DESCRIPTION.

This township consists entirely of mountainous land, covered with a heavy growth of pine timber.

There is abundance of pure fresh water in the numerous streams draining southerly and which form the head waterd of the North fork of the Duchesne River.

There are two large lakes in the western part of the Tp. There are no indications of settlers or mineral found in this township.

## SOUTH SIDE OF T. 4 N., R. 9 W.

## Latitudes, departures and closing errors.

Line designated.	True Bearing.	Dist.	Latitudes.		Departures.	
			N. obs.	S. obs.	E. obs.	W. obs.
S. 57° E., T. 4 N., R. 9 W.	East	231.28				231.26
S. 45° E., T. 4 N., R. 9 W.	North	169.40	169.40			
S. N.W. Umtch Indian Reservation.						
S. 50° 30' W.	27.52	17.59				21.23
S. 30° 45' W.	31.00		26.18			19.40
S. 25° W.	24.80		3.01			24.61
N. 60° 30' E.	5.70	0.95				5.62
N. 52° 30' E.	51.30	31.23				40.89
N. 83° E.	39.00	4.76				38.70
S. 81° 45' E.	51.00		7.31			50.47
S. 22° 45' E.	20.00		18.44			7.73
S. 57° 07' E.	36.90		20.03	30.99		
S. 36° 50' E.	11.80		2.48	7.02		
S. 4° 15' E.	16.20		16.15	1.19		
S. 72° E.	13.00		4.01			12.98
N. 81° E.	17.50	2.74				17.26
S. 46° E.	54.50		37.86			30.30
S. 6° 40' E.	52.90		52.53			6.28
S. 21° 30' E.	36.30		33.77	13.30		
Convergence.						0.70
Total.			226.56	226.07	283.78	284.34
				226.56		283.78
Error in lat. and dep.				0.39		0.56

*John Johnson*

U. S. Deputy Surveyor.

## FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

## LIST OF NAMES.

A list of the names of the individuals employed by John W. McKim

United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of the subdivision of T. 1 N., R. 10 W.; T. 1 N., R. 11 W.; T. 2 N., R. 9 W.; T. 2 N., R. 10 W.; T. 3 N., R. 9 W. and T. 4 N., R. 9 W. at the Mintah Special Base and Meridian, Utah, showing the respective capacities in which they acted.

Way Steepler, Chainman.

Lyman Thompson, Chainman.

John Steepler, Moundman.

, Moundman.

Henry W. Curtis, Axman.

George Russell, Axman.

James S. Parry, Flagman.

## FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted John W. McKim

United States Deputy Surveyor, in surveying all those parts or portions of the Subdivision of T. 1 N., R. 10 W.; T. 1 N., R. 11 W.; T. 2 N., R. 9 W.; T. 2 N., R. 10 W.; T. 3 N., R. 9 W.; and T. 4 N., R. 9 W.

Mintah Special Base and meridian, State of Utah, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for Utah.

Way Steepler, Chainman.

Lyman Thompson, Chainman.

John Steepler, Moundman.

, Moundman.

Henry W. Curtis, Axman.

George Russell, Axman.

James S. Parry, Flagman.

Subscribed and sworn to before me this 24<sup>th</sup>

day of July, 1904, 189-



John W. McKim  
U.S. Deputy Surveyor

## FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, John W. McKim, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Edward H. Anderson, United States Surveyor General for Utah, bearing date of the 22nd day of July, 1903, XIX, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Utah, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the Subdivision of T. 1 N., R. 10 W., T. 1 N., R. 11 W., T. 2 N., R. 9 W., T. 2 N., R. 10 W., T. 3 N., R. 9 W., and T. 4 N., R. 9 W.

Base and meridian, in the State of Utah, which are represented in the in books C. E. H. I. K. and F. foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for Utah and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

*John W. McKim*  
United States Deputy Surveyor.

Subscribed by said John W. McKim, and sworn to before me  
this 26 day of September, 1904.

*Arthur Davis*  
Clerk District Court, Park County, Mont.



## APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, December 21 1904.

The foregoing field notes of the survey of the Subdivision of Township No. 4 North, Range No. 9 West of the Uintah Special Base and Meridian, Utah,

executed by John W. McKim  
under his contract No. 277, dated July 22, 1903, XIX, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

*Edward H. Anderson*  
United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in \_\_\_\_\_, has been correctly copied from the original notes on file in this office.

United States Surveyor General.

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FILED

SEP 10 1904

BOOK A-312

## FIELD NOTES

OF THE SURVEY OF THE

W.W. Ditch  
Standard Parallel South  
through  
Range No. 8 West

of the Meridian, Special base <sup>and</sup> Meridian,  
In the state of ~~that~~ <sup>that</sup> ~~the~~ state of ~~that~~ <sup>that</sup>

AS SURVEYED BY

George C. Smith, <sup>and</sup> Reduced by J. D. Green, United States Deputy Surveyor.

Under his Contract No. 278, dated September 10<sup>th</sup>, 1890.

Survey commenced Oct 2<sup>nd</sup>, 1890.

Survey completed Oct 14<sup>th</sup>, 1890.

Scale 1:62,500 ✓

## NAMES AND DUTIES OF ASSISTANTS.

Thomas Speis chairman

Alfred J. Peterson "

Lew E. Duncan "

Charles Jourdan "

Robert T. Holt mound man

Alpha H. Manning "

Edward Mudlock admn

George Alexander "

Paul G. Richardson flag man

Charles Cummings "

BOOK A-312

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*Meanders Page*.....

## PRELIMINARY OATHS OF ASSISTANTS.

WE, Thomas Heir, Alfred J. Peterson, Tony E. Duncan, Charles Jourden  
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the  
chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that  
we will report the true distances to all notable objects, and the true lengths of all lines that we assist in  
measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of  
1<sup>st</sup> Standard Parallel South through Range 8<sup>th</sup> West, Clinton Special base, <sup>3<sup>rd</sup> Meridian, state</sup>  
of Ia.  
Thomas Heir Alfred J. Peterson, Chainmen.  
Tony E. Duncan Charles Jourden, Chainman.

Subscribed and sworn to before me this 2<sup>nd</sup>  
day of October, 1890. }  


WE, Robert T. Holt

George B. Evans  
U.S. Deputy Surveyor  
Alpha H. Manning

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment  
of corners, according to the instructions given us, to the best of our skill and ability, in the survey of  
1<sup>st</sup> Standard Parallel South through R. 8<sup>th</sup> W. Clinton Special base, <sup>3<sup>rd</sup> Meridian</sup>  
state of Ia.  
Robert T. Holt, Moundman.  
Alpha H. Manning, Moundman.

Subscribed and sworn to before me this Oct 2<sup>nd</sup>  
day of October, 1890. }  


WE, Edward Murdock

George C. Evans  
U.S. Deputy Surveyor  
George Alexander

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners  
and other duties, according to instructions given us, to the best of our skill and ability, in the survey of  
1<sup>st</sup> Standard Parallel South through R. 8<sup>th</sup> W. Clinton Special base, <sup>3<sup>rd</sup> Meridian</sup>  
state of Ia.  
Edward, Murdock, Axman.  
George Alexander, Axman.

Subscribed and sworn to before me this 2<sup>nd</sup>  
day of Oct., 1890. }  


WE, Paul H. Richardson, Charles Cummings, do solemnly swear that I will well and truly  
perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the  
survey of 1<sup>st</sup> Standard Parallel South through R. 8<sup>th</sup> W. Clinton Special base, <sup>3<sup>rd</sup> Meridian</sup>  
state of Ia.  
Paul H. Richardson, Charles Cummings, Flagman.

Subscribed and sworn to before me this 2<sup>nd</sup>  
day of Oct., 1890. }  


George B. Evans  
U.S. Deputy Surveyor

Book A.

## FIRST STANDARD PARALLEL SOUTH THROUGH RANGE 8 W. U. S. B. &amp; M.

Survey commenced October 2, 1903, and executed with a W. & L. E. Gurley light mountain transit No.---, with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs.

The instrument was examined, tested on the true meridian at Salt Lake City, found correct, and approved by the surveyor general, September 19, 1903.

I examine the adjustments of the transit, and find them correct; then, to test the solar apparatus, by comparing its indications resulting from solar observations made during p. m. and a. m. hours, with a meridian determined by Polaris observation, I proceed as follows:

At the standard corner of Tp. 4 S. Rgs. 7 and 8 W., lat.  $40^{\circ}05'28''$  N., long.  $110^{\circ}45'40''$  W., which is a sandstone 8x8x5 ins. above the ground, firmly set and marked and witnessed as described by the surveyor general, I set off  $40^{\circ}5\frac{1}{2}'$  N. on lat. arc,  $3^{\circ}09'$  S. on decl. arc, and at 4 h. p. m. l. m. t. determine a true meridian with the solar, and mark a point thereof on a stone firmly set in the ground 5 chs. N. of my station. October 2, 1903.

Oct. 3: At 0 h. 42 m. a.m. l.m.t. I observe Polaris at upper culmination, in accordance with the Manual of Instructions, the meridian thus determined falls on a pole set on the mark determined by the p.m. solar observation.

At 7 h. a.m. l.m.t. I set off  $40^{\circ}5\frac{1}{2}'$  N. on lat. arc;  $3^{\circ}35'$  S. on decl. Arc, and determine a true meridian with the solar; the meridian thus determined falls on the pole set on the mark determined by p.m. solar and Polaris observations.

FIRST STANDARD PARALLEL SOUTH THROUGH RANGE 8 W. U. S. B. & M.

CHAIN . The solar apparatus by p.m. and a.m. observations, defines position for meridian same as by Polaris observation; therefore, I conclude the adjustments of the instrument are correct.

The magnetic bearing of the true meridian at 7:30 a.m.l.m.t. is N.  $16^{\circ}30'W.$ ; the angle thus determined gives the magnetic decl.  $16^{\circ}30'E.$

From the township corner already described, I lay off from the meridian an angle of  $90^{\circ}$  from N. to W. and run west on a tangent south of sec. 36.

Ascend along steep south slope, through scattering cedar and pinon timber.

17:50 Spur projects S. W.

At this point I set a flag,

Descend over shale rock and broken ledges,

24.50 Draw course S. W.

35.00 Spur ridge bears S. $60^{\circ}W.$  and N. $60^{\circ}E.$

Difference bet. measurements of 40.00 ms. by two sets of chainmen is 4 lks.; position of middle point.

By 1st set 40.02 chs.

By 2nd set 39.98 chs., the mean of which is  
40.00 N.  $\frac{1}{4}$  lk. from the tangent.

Set a limestone 20x10x4 ins. 15 ins. in the ground standard 1/4 sec. cor., marked S C 1/4 on N. face; from which

A cedar 6 ins. diam. bears N.  $74\frac{1}{2}^{\circ}W.$  15 lks. dist.

Marked S C 1/4 S. 36 B T

A pinon 8 ins. diam. bears N.  $38^{\circ}E.$  28 lks. dist.

marked S C 1/4 S 36 B T

62.00 Leave timber bears N.) and S.

68:00 Avintaquin Creek, 20 lks. wide, flows N. in canon 1500 ft. deep..

Ascend.

FIRST STANDARD PARALLEL SOUTH THROUGH RANGE 8 W.U.S.B.& M.

CHAINS

73.00 Begin steep ascent, bears E. and W.

Difference bet. measurements of 80.00 chs. by two sets of chainmen is 8 lks.; position of middle point.

By 1st set is 80.04 chs.

By 2nd set 79.96 chs., the mean of which is

80.00 N. 1 lk. from the tangent.

Set a limestone 16x13x8 ins. 11 ins. in the ground for St. cor. of secs. 35 and 36, marked S C on N., with 1 groove on E. and 5 grooves on W. faces; from which

A pinon pine 14 ins. diam. bears N.42°E. 37 lks. dist. marked T 4 S R 8 W S 36 B T

A pinon pine 12 ins. diam. bears N.63°W. 36 lks. dist.

marked T 4 S R 8 W S 35 B T

Land mountainous.

Soil stony; 4th rate.

Timber pinon and cedar.

Mountainous land 80.00 chs.

S.89°59'W. on tangent south of sec. 35,

Ascend over stony land, and broken shale ledges; through heavy cedar and pinon pine timber.

35.00 Spur, 1200 ft. above creek, projects S. E.; descend.

Difference bet. measurements of 40.00 chs. by two sets of chainmen is 6 lks.; position of middle point

By 1st set 39.97 chs.

By 2d set 40.03 chs., the mean of which is  
40.00 N.2 lks. from the tangent,

Set a shale rock, 15x13x8 ins. 10 ins. in the ground, for standard 1/4 sec. cor., marked S C 1/4 on N. face; from which

A pine 4 ins. diam. bears N. 50 1/2°E. 52 lks. dist.

marked S C 1/4 S 35 B T

A cedar 26 ins. diam. bears N.57 1/2°W. 85 lks. dist.

marked S C 1/4 S 35 B T

56.00 Hollow course S.; ascend.

67.50 Spur 800 ft. above sec. cor., projects S.; descend.

FIRST STANDARD PARALLEL SOUTH THROUGH RANGE 8 W.U.S.R.& M.

CHAINS

Difference bet. measurements of 80.00 chs. by two sets of chainmen is 12 lks.; position of middle point

By 1st set is 80.06 chs.

By 2nd set 79.94 chs., the mean of which is 80.00  $\frac{1}{2}$  lks. from the tangent, falls in ravine, course S.

Land subject to slide, cor. not set, 1 ch. E.

Set a shale rock 30x6x4 ins. 23 ins. in ground for witness cor. to standard cor. secs. 34 and 35, marked with W C S C on N., with 2 grooves on E. and 4 grooves on W. faces; from which

A pinion pine 16 ins. diam. bears N. 0°30' E. 32 lks. dist.

marked T. 4 S R 8 W S 35 B T

A pine 22 ins. diam. bears N. 89°W. 92 lks. dist.

marked T. 4 S R 8 W S 34 B T

Land mountainous.

Soil stony; 4th rate.

Timber cedar and pinon pine.

Mountainous land, covered with heavy timber 80.00 chs.

October 3, at this cor. I set off 3°43'S. on decl. arc; and at 11 h. 49 m.a.m.l.m.t. observe the sun on the meridian; the resulting lat. is 40°05'N.

S. 89°58'W. on tangent south of sec. 34.

Ascend over stony land, through heavy cedar and pinon pine timber.

24.00 Spur 800 ft. above corner, projects S.

Descend.

33.50 Ravine 350 ft. deep, course S.; ascend through scattering cedar and pinon.

Difference bet. measurements of 40.00 chs. by two sets of chainmen is 8 lks.; position of middle point

By 1st set 39.96 chs.

By 2nd set 40.04 chs., the mean of which is

40.00  $\frac{1}{2}$  lks. from the tangent,

Set a shale rock 18x12x5 ins. 12 ins. in the ground, for standard 1/4 sec. cor., marked S C 1/4 on N. face

FIRST STANDARD PARALLEL SOUTH THROUGH RANGE 8 V J S R & M CHAINS

Raise a mound of stone, 2 ft. base, 1 1/2 ft. high N. of cor.

74.50 Spur projects S. E.; descend.

78.50 Ravine 20<sub>0</sub> ft. deep, course S. E.; ascend.

Difference bet. measurements of 80.00 chs. by two sets of chainmen is 12 lks.; position of middle point by 1st set 79.94 chs.

By 2nd set 80.06 chs., the mean of which is  
80.00 N. 7<sub>1</sub>/<sub>2</sub> lks. from the tangent

Set a shale rock 15x12x6 ins. 10 ins. in ground for standard cor. of secs. 33 and 34, marked S.C. on N face; with 3 grooves on E. and W. faces; from which

A pine 24 ins. diam. bears N. 82° E. 11 lks. dist.  
marked T 4 S R 8 W S 34 B T

A pine 10 ins. diam. bears N. 20°W. 95 lks. Dist.  
marked T 4 S R 8 W S 33 B T

Land mountainous.

Soil stony; 4th rate.

Timber cedar and pinon pine.

Mountainous land, covered with heavy timber 80.00 chs.

From this corner I run north 40.00 chs.; flag on S. bdy. of sec. 36 bears S. 79°49' E., the distance is therefore 222.68 chs. Set a flag at this point.

This triangulation checks the measurement within 18 lks.

October 3, 1903.

October 4, at 7 h.a.m.l.m.t. I set off 3°58'S. on decl. arc 40°05 1/2'N. on lat. arc, and determine a true meridian with the solar. Thence I run

S.89°57'W. on the tangent S. of sec. 33

Ascend over broken shale rock, through heavy cedar and pinon pine timber.

Leave heavy timber; enter scattering cedar and pinon pine timber bears N. and S.

Difference bet. measurements of 40.00 chs.

## FIRST STANDARD PARALLEL SOUTH THROUGH RANGE 8 W.U.S.B.&amp; M

## CHAINS

- By two sets of chainmen is 8 links; position of middle pt  
 By 1st set 40.04 chs.  
 By 2nd set 39.96 chs.; the mean of which is  
 40.00 N.<sup>10</sup> lks. from the tangent.  
 Set a shale rock 18x10x5 ins. 12 ins. in ground for standard  
 $\frac{1}{4}$  sec. cor., marked S C 1/4 on N. face; from which  
 A pine is 15 ins. diam. bears N.E. 89 lks. dist.  
 marked S C 1/4 S 33 B T  
 No other bearing trees within limits; raise a mound of  
 stone 2 ft. base 1 1/2 ft. high N. of cor.  
 41.00 Ridge bears N.E. and S.W.  
 Leave timber, bears N.E. and S. W.; descend.  
 54.00 Head of ravine, course N.; ascend.  
 62.00 Top of mountain, bears N. and S.; descend.  
 73.50 Enter dead and fallen timber, bears N.W. and S.E.  
 Difference bet. Measurements of 80.00 chs. by two sets  
 of chainmen is 12 links; position of middle point  
 By 1st set is 80.06 chs.  
 By 2nd set is 79.94 chs., the mean of which is  
 80.00 N.<sup>13</sup> lks. from the tangent  
 Set a shale rock 18x10x3 ins. 12 ins in the ground, for  
 standard cor. of secs. 32 and 33, marked S C on N. with 4  
 grooves on E. and 2 grooves on W. faces; and raise a mound  
 of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits  
 impracticable.  
 Land mountainous.  
 Timber cedar and pinon pine.  
 Mountainous land and heavy timber 80.00 chs.
- 
- S.89°56'W. on tangent south of sec. 32  
 Descending over stony land; through dead and fallen timber.  
 2.50 Ravine 100 ft. below cor. course N.; ascend.

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FIRST STANDARD PARALLEL SOUTH THROUGH RANGE 8, N.W.U.S.B.

- CHAINS  
17.00 Ridge bears N.W. and S.E.  
Leave dead timber, bears N. and S.; descend.  
Difference bet. measurements of 40.00 chs. by two sets of chainmen is 10 lks.; position of middle point  
By 1st set 40.05 chs.  
By 2nd set 39.95 chs., the mean of which is  
40.00 N. 17 lks. from the tangent,  
600 ft. below sec. cor.  
Set a shale rock 15x12x5 ins. 10 ins. in the ground for St. 1/4 sec. cor., marked S C 1/4 on N. face; dig pits 18x18x12 ins. E. and W. of stone 3 ft. dist.; and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high N. of cor.  
53.00 Ravine 1000 ft. deep, course N. W.; ascend.  
Difference bet. measurements of 80.00 chs. by two sets of chainmen is 14 lks.; position of middle point  
By 1st set is 80.07 chs.,  
By 2nd set 79.93 chs., the mean of which is  
80.00 N. 21 lks. from the tangent  
Land subject to slide, cor. not set. W. 2 chs. top of a sharp spur.  
Set a shale rock 36x8x8 ins. 27 ins in mound of stone for standard cor. for secs. 31 and 32, marked W C S C on N. with 5 grooves on E. and 1 groove on W. faces; and raised a mound of stone 2 ft. base 1 1/2 ft. high N. of cor.  
Pits impracticable.  
Land mountainous.  
Soil stony loam; 3d rate.  
Timber dead.  
Mountainous land 80.00 chs.  
October 4, at this cor. I set off 4°06'S. on decl arc, and at 11 h. 49 m.a.m.l.m.t.; observe the sun on the meridian; the resulting latitude is 40°05'N.

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## FIRST STANDARD PARALLEL SOUTH THROUGH R.8 W.U.S.B.&amp; M.

- S.  $89^{\circ}56'W.$  on tangent south of sec. 31  
Ascend over stony land.
- 2.00 Spur projects NW. Intersect witness cor. to standard cor. of secs. 31 and 32, heretofore described. Descend over ledges.
- 16.00 East Fork of Timber Canon, dry, 1500 ft. deep, course N.  
Ascend over broken ledges.
- 33.00 Ledge ledges bear N. and S.  
Difference bet. measurements of 40.00 chs. by two sets of chainmen is 14 lks.; position of middle point  
By 1st set 40.07 chs.,  
By 2nd set 39.93 chs., the mean of which is  
40.00 N.  $25\frac{1}{2}$  lks. from the tangent. Point for  $\frac{1}{4}$  sec. cor.  
Falls on land subject to slide, is not set.  
West 9.80 chs.  
Set a sandstone 18x9x6 ins. 12 ins. in the ground, for witness corner to standard 1/4 sec. cor., marked W.C.S.C 1/4 on N. face; from which  
A pine 6 ins. diam. bears N.  $40^{\circ}E.$  3 lks. dist.  
marked W.C.S.C 1/4 S 31 B T  
A mahogany 3 ins. diam. bears N.W. 18 lks. dist.  
marked W.C.S.C 1/4 S 31 B T  
From this point flag on ridge 40 chs. N. of the standard cor. of secs. 33 and 34, bears N.  $79^{\circ}12'E.$ , the distance is therefore 209.69 chs.  
This triangulation checks the measurement within 11 lks.  
Enter heavy mahogany and scattering pine timber, bears N. and S.
- 52.00 Top of mountain, ridge bears N. and S.  
Descend through scattering timber.  
Difference bet. measurements of 80.00 chs. by two sets of chainmen is 18 lks.; position of middle point  
By 1st set is 80.09 chs.  
By 2nd set 79.91 chs., the mean of which is  
80.00 N. 30 lks. from tangent.

FIRST STANDARD PARALLELL SOUTH THROUGH R.8 W.U.S.B.& M.

Set a shale rock 24x6x6 ins. 18 ins. in the ground, for standard cor. to Tp. 4, S. Rgs. 8 and 9 W., marked S C on N. with 6 grooves on N. E. and W. faces; and raised a mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable.

A balsam 10 ins. diam. bears N.15°E.51 lks. dist.  
marked T 4 S R 8 W S 31 B T

A balsam 8 ins. diam. bears N.15°W.27 lks.dist.  
marked T 4 S R 9 W S 36 B T

Land mountainous.

Soil stony; 4th rate.

Timber pine and mahogany.

Mountainous land and heavy timber 80.00 chs.

October 4, 1903.

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For general description see subdivision of this township.

*George C. Swan*  
U. S. Deputy Surveyor.

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There being no notary public or other officer authorized to administer oaths within reasonable distance at the beginning or ending of this survey, to save time and expense I administer the preliminary and final oaths myself.

*George C. Swan*  
U. S. Deputy Surveyor.

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## FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

## LIST OF NAMES.

A list of the names of the individuals employed by George C. Swan, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of Parallel South through R. S. M. L. & C. Special Line, Meridian, State of Maine.

showing the respective capacities in which they acted:

<u>Thomas Peir</u>	<u>Alfred J. Peterson</u>	<u>Chainman.</u>
<u>Len C. Duncan</u>	<u>Charles Jourdon</u>	<u>Chainman.</u>
	<u>Robert T. Holt</u>	<u>Moundman.</u>
	<u>Alpha H. Manning</u>	<u>Moundman.</u>
	<u>Edward Murdoch</u>	<u>Arman.</u>
	<u>George Alexander</u>	<u>Arman.</u>
<u>Paul G. Pickelton</u>	<u>Charles Cummings</u>	<u>Flagman.</u>

## FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted George C. Swan,

United States Deputy Surveyor, in surveying all those parts or portions of the 1<sup>st</sup> Standard Parallel South through Range 8 West.

of the Maine.  
special base and meridian, State of Maine, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for Maine.

<u>Thomas Peir</u>	<u>Alfred J. Peterson</u>	<u>Chainman.</u>
<u>Len C. Duncan</u>	<u>Charles Jourdon</u>	<u>Chainman.</u>
<u>Robert S. Holt</u>		<u>Moundman.</u>
<u>Alpha H. Manning</u>		<u>Moundman.</u>
<u>Edward Murdoch</u>		<u>Arman.</u>
<u>George Alexander</u>		<u>Arman.</u>
<u>Paul G. Pickelton</u>	<u>Charles Cummings</u>	<u>Flagman.</u>

Subscribed and sworn to before me this 1<sup>st</sup> day of October, 1892.

George C. Swan  
U. S. Deputy Surveyor  
J. S.

SEAL

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, George C. Swan, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Edward H. Anderson, United States Surveyor General for Utah, bearing date of the 10th day of September, 1903, XXX, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Utah, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the First Standard Parallel South through Range No. 8 West.

of the Uintah Special Base and meridian, in the State of Utah, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for Utah and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

*George C. Swan*

United States Deputy Surveyor.

Subscribed by said George C. Swan, and sworn to before me  
this 13th day of December, 1903,

*Edward H. Anderson*

U.S. Surveyor-General

for Utah.

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, December 20, 1904.

The foregoing field notes of the survey of the First Standard Parallel South through Range No. 8 West of the Uintah Special Base and Meridian, Utah,

executed by George C. Swan and Frederick C. Ferron under his contract No. 278, dated September 10, 1903, XXX, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

*Edward H. Anderson*

United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in \_\_\_\_\_, has been correctly copied from the original notes on file in this office.

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*United States Surveyor General.*

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"B"

FILED  
SEP 30 1904

# FIELD NOTES

W9

OF THE SURVEY OF THE

Second

Guide Meridian West.  
through.

Tps. No. 1, 2, 3 <sup>and</sup> 4 South.

of the Mintak special base and Meridian,  
In the state of Utah.

AS SURVEYED BY

George L. Swan, <sup>and</sup> Patrick C. Devoy, United States Deputy Surveyors

Under his Contract No. 278, dated Sept 10<sup>th</sup>, 1903

Survey commenced Oct. 4<sup>th</sup>, 1903

Survey completed Oct. 13<sup>th</sup>, 1903

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## NAMES AND DUTIES OF ASSISTANTS.

Byron S. Kershaw chairman

Gabert S. Page "

Len C. Duncan "

Charles Jourden "

Edward Murdoch mound man.

Herman Nagus admn.

" " flagman

Volume

#

R0312

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## INDEX DIAGRAM.

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31	32	33	34	35	36

*Meanders Page* \_\_\_\_\_

PRELIMINARY OATHS OF ASSISTANTS.

WE, Levi C. Duncan, Byron S. Kershaw and Charles Jourden, affubert D. Page.

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of 2<sup>nd</sup> Guide Meridian West through Pts. 1, 2, 3, 4, S. Det. R. 8<sup>th</sup> 19<sup>th</sup> U. S. Mintah Special Base and Meridian, Utah.

Levi C. Duncan

Byron S. Kershaw, Chainman.

Charles Jourden

Hubert D. Page, Chainman.

Subscribed and sworn to before me this 4<sup>th</sup> day of October, 1890.



Frederick C. Ferron  
U.S. Deputy Surveyor

WE, I Edward Murdock

and

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of 2<sup>nd</sup> Guide Meridian West through Pts. 1, 2, 3, 4, S. Det. R. 8<sup>th</sup> 19<sup>th</sup> U. S. Mintah Special Base and Meridian, Utah.

I Edward Murdock, Moundman.

Moundman.

Subscribed and sworn to before me this 4<sup>th</sup> day of October, 1890.



Frederick C. Ferron  
U.S. Deputy Surveyor

WE, I Herman Wagner

and

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of 2<sup>nd</sup> Guide Meridian West through Pts. 1, 2, 3, 4, S. Det. R. 8<sup>th</sup> 19<sup>th</sup> U. S. Mintah Special Base and Meridian, Utah.

Herman Wagner, Axman.

Axman.

Subscribed and sworn to before me this 4<sup>th</sup> day of October, 1890.



Frederick C. Ferron  
U.S. Deputy Surveyor

I, I Herman Wagner, do solemnly swear that I will well and truly

perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of 2<sup>nd</sup> Guide Meridian West through Pts. 1, 2, 3, 4, S. Det. R. 8<sup>th</sup> 19<sup>th</sup> U. S. Mintah Special Base and Meridian, Utah.

Herman Wagner, Flagman.

Subscribed and sworn to before me this 4<sup>th</sup> day of October, 1890.



Frederick C. Ferron  
U.S. Deputy Surveyor

## SECOND GUIDE MERIDIAN WEST, TOWNSHIP 4 SOUTH U.S.B.&amp; M.

Survey commenced October 4, 1903, and executed with the instrument described in book "A" of this survey. I examine the adjustment of the instrument and find it correct; then, to test the solar apparatus by comparing its indications resulting from solar observations made during p.m. and a.m. hours with a meridian determined by Polaris observation, I proceed as follows:

At the standard cor. of Tp. 4 S. Rs. 8 and 9 W., heretofore described; lat.  $40^{\circ}05'28''$  N.; long.  $110^{\circ}52'36''$  W., I set off  $40^{\circ}05\frac{1}{2}'$  N. on lat. arc;  $4^{\circ}09'$  S. on decl. arc; and at 4 h. 0 m. p.m. l.m.t. determine a true meridian with the solar, and mark a point thereof on a stone firmly set in the ground 5 chs. N. of my station.

October 4, 1903.

Oct. 5: At 0 h. 34 m. a.m. l.m.t. I observe Polaris at upper culmination in accordance with Manual of Instructions; the meridian thus determined falls on a pole set on the mark determined by p.m. and solar observations.

At 7 h. 0 m. a.m. l.m.t. I set off  $40^{\circ}5\frac{1}{2}'$  N. on lat. arc;  $4^{\circ}21'$  S. on decl. arc; and determine a true meridian with the solar; the meridian thus determined falls on the mark determined by p.m. solar and Polaris observations.

The solar apparatus by p.m. and a.m. observations defines position for meridian the same as by Polaris observation; therefore I conclude that the adjustments of the instrument are correct.

The magnetic bearing of the true meridian at 7 h. 30 m. a.m. is N.  $16^{\circ}30'W.$ ; the angle thus determined gives the magnetic decl.  $16^{\circ}30'E.$

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From the standard township corner already described I run north on Second Guide Meridian West, bet. secs. 31 and 36,

Descending over broken, stony north slope through scat-

## SECOND GUIDE MERIDIAN WEST THROUGH TOWNSHIP 4 S.U.S.B.&amp; M.

- Chains. tering pine timber.
- 9.00 Leave timber bears NE. and SW.
- 10.00 Bottom of Timber Canon, 1200 ft. deep; creek 3 lks. wide, course NE.
- Ascend over broken shale ledges.
- 40.00 Sharp ridge 800 ft. high bears N.60°E. and S.60°W.
- Point for  $\frac{1}{4}$  sec.cor.falls on steep ledge and cannot be set.
- Difference bet.measurements of 41.00 chs. by two sets of chainmen is 12 lks.; position of middle point
- By 1st set 41.06 chs.
- By 2d set 40.94 chs., the mean of which is
- 41.00 Set a limestone 16x10x8 ins. 11 ins. in the ground for witness cor. to  $\frac{1}{4}$  sec.cor.; marked W $0\frac{1}{4}$  on W.face; raise a mound of stone 2 ft. base  $1\frac{1}{2}$  ft. high W. of cor.
- Pits impracticable.
- 49.00 Box canon 800 ft. deep, course NE.
- Ascend.
- 63.00 North side of box canon; sandstone ledges bear E. and W.
- Enter heavy mahogany timber.
- Difference bet.measurements of 80.00 chs. by two sets of chainmen is 18 lks.; position of middle point
- By 1st set 80.09 chs.
- By 2d set 79.91 chs., the mean of which is
- 80.00 Set a sandstone 16x12x4 ins. 11 ins. in the ground for cor. of secs. 25, 30, 31, and 36, marked with 1 notch on S. and 5 notches on N.edge; from which
- A pinon pine 10 ins. diam. bears N.27°E. 40 lks. dist.; marked T 4 SRR 8 W S 30 B T
- A pinon pine 12 ins. diam. bears S.54°E. 29 lks. dist.; marked T 4 S R 8 W S 31 B T
- A mahogany 6 ins. diam. bears S.87°W. 16 lks. dist. marked T 4 S R 9 W S 36 B T
- A mahogany 5 ins. diam. bears N.9°W. 96 lks. dist.

## SECOND GUIDE MERIDIAN WEST THROUGH TOWNSHIP 4 S.U.S.B.&amp; M.

- CHAINS marked T. 4 S R 9 W S 25 B T  
 Land mountainous.  
 Soil stony; 4th rate.  
 Timber pine and mahogany.  
 Mountainous land heavily timbered 80.00 chs.
- 
- North bet. secs. 25 and 30  
 Ascend through heavy pine and mahogany timber.  
 31.00 Ridge bears N.80°E. and S.80°W.  
 Descend.  
 Leave heavy mahogany timber; enter scattering oak brush  
 bears E and W.  
 Difference bet. measurements of 40.00 chs. by two sets of  
 chainmen is 8 lks.; position of middle point  
 By 1st set is 20.04 chs.  
 By 2d set is 39.96 chs., the mean of which is  
 40.00 Set a shale rock 18x12x5 ins. 12 ins. in the ground, for  $\frac{1}{4}$   
 sec. cor., marked  $\frac{1}{4}$  on W. face; from which  
 An aspen 5 ins. diam. bears E.36 lks. dist.  
 marked  $\frac{1}{4}$  S 30 B T  
 An aspen 3 ins. diam. bears W.21 lks. dist.  
 marked  $\frac{1}{4}$  S 25 B T  
 40.50 Hollow course N.E.; ascend.  
 63.00 Spur projects N.E.;  
 Descend along N. slope of mountain  
 Difference bet. measurements of 80.00 chs. by two sets of  
 chainmen is 12 lks.; position of middle point  
 By 1st set 79.94 chs.  
 By 2d set 80.06 chs., the mean of which is  
 80.00 800 ft. below ridge,  
 Set a shale rock 20x10x3 ins. 15 ins. in the ground, for  
 cor. of secs. 19-24-25 and 30, marked with 2 notches on S.  
 and 4 notches on N. edges; from which  
 A mahogany 6 ins. diam. bears N.E. 21 lks. dist.

## SECOND GUIDE MERIDIAN WEST THROUGH TOWNSHIP 4 S.U.S.I.B.&amp; M.

CHAINS.

marked T 4 S R 8 W S 19 B T

A mahogany 5 ins.diam.bears S.80°E.25 lks.dist.

marked T 4 S R 8 W S 30 B T

A pine 10 ins.diam.bears S.18°W.31 lks.dist.,

marked T 4 S R 9 W S 25 B T

A pine 6 ins.diam.bears N.W.41 lks.dist.

marked T 4 S R 9 W S 24 B T

Land mountainous.

Soil stony loam; 3rd rate.

Timber mahogany and pine.

Mountainous land and heavy timber 80.00 chs.

North bet.secs.19 and 24

Over broken land, through heavy mahogany and pine timber.

19.50 Ravine 450 ft.deep, course N.E.; ascend.

33.50 Spur projects N.E.; descend.

Difference bet.measurements of 39.00 chs.is 12 lks.; position of middle point

By 1st.set 39.06 chs.

By 2d set 38.94 chs., the mean of which is

39.00  $\frac{1}{4}$  corner will fall on perpendicular cliffs, is not set therefore at this pointSet a shale rock 14x14x5 ins.9 ins.in the ground, for witness to  $\frac{1}{4}$  sec.cor., marked W C  $\frac{1}{4}$  on W.face; from which

A pinon pine 12 ins.diam.bears E.75 lks.dist.

marked W C  $\frac{1}{4}$  S 19 B T

A pine 14 ins.diam.bears W.21 lks.dist.

marked W C  $\frac{1}{4}$  S 24 B T39.50 Perpendicular shale cliffs, 300 ft.high, bear E. and W.  
40.00 Point for  $\frac{1}{4}$  sec.cor.; corner not set.  
44.00 Strawberry Creek, 30 lks.wide, in canon 1500 ft.deep, course E.; ascend, over broken land.

Difference bet.measurements of 80.00 chs.by two sets of chainmen is 20 lks.; position of middle point

## SECOND GUIDE MERIDIAN WEST THROUGH TOWNSHIP 4 S.U.S.B. &amp; M.

CHAINS	By 1st set 80.10 chs.
80.00	By 2d set 79.90 chs., the mean of which is 600 ft. above creek, Set a limestone 18x10x5 ins.12 ins.in the ground,for cor.of secs.13-18-19 and 24,marked with 3 notches on N. and S.edges;from which A pinon pine 10 ins.diam.bears N.E.16 lks.dist. marked T 4 S R 8 W S 18 B T A pinon pine 12 ins.diam.bears S.17°E.21 lks.dist. marked T 4 S R 8 W S 19 B T A pinon pine 9 ins.diam.bears S.21°W.21 lks.dist. marked T 4 S R 9 W S 24 B T A pine 5 ins.diam.bears N.25°W.35 lks.dist. marked T 4 S R 9 W S 13 B T Land mountainous. Soil stony;4th rate. Timber mahogany and pine. Mountainous land and heavily timbered 80.00 chs.
20.00	North bet.secs.13 and 18
27.00	Ascend over stony land;through heavy cedar and pinon timber.
33.00	Spur projects W.;descend.
34.00	Ravine 75 ft.deep,course S.W. Ascend.
40.00	Spur projects E.;descend. Ravine 50 ft.deep,course E.;ascend. Difference bet.measurements of 40.00 chs.by two sets of chain on is 8 lks.;position of middle point By 1st set 40.04 chs. By 2d set 39.96 chs.,the mean of which is 250 ft.above sec.cor., Set a sandstone 18x10x8 ins.12 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.face;from which

## SECOND GUIDE MERIDIAN WENT THROUGH TOWNSHIP 4 S.U.S.E. &amp; M.

CHAINS.	A pine 10 ins. diam. bears N.31°E. 1ks. dist. marked $\frac{1}{4}$ S 18 B T A pine 9 ins. diam. bears N.81°W. 32 lks. dist. marked $\frac{1}{4}$ S 13 B T
44.50	Spur projects S.W.; Ascend along W. slope of ridge.
70.00	Hollow course W. Difference bet. measurements of 80.00 chs. by two sets of chainmen is 16 lks.; position of middle point By 1st set 79.92 chs. By 2d set 80.08 chs., the mean of which is
80.00	250 ft. above $\frac{1}{4}$ sec. cor. Set a limestone 18x12x8 ins. 12 ins. in the ground, for cor. of secs. 7-12-13 and 18, marked with 4 notches on S. and 2 notches on N. edges; from which A pinon pine 25 ins. diam. bears N.34°E. 107 lks. dist. marked T 4 S R 8 W S 7 B T A pinon pine 24 ins. diam. bears S.20°E. 15 lks. dist. marked T 4 S R 8 W S 18 B T A cedar 8 ins. diam. bears S.84°W. 30 lks. dist. marked T 4 S R 9 W S 13 B T A pinon pine 10 ins. diam. bears N.40°W. 30 lks. dist. marked T 4 S R 9 W S 12 B T
	Land mountainous. Soil stony; 4th rate. Timber cedar and pinon pine. Mountainous land and heavily timbered 80.00 chs. October 5, cloud obscures the sun, can take no observation for latitude this day.

October 5, 1903.

## SECOND GUIDE MERIDIAN THROUGH TOWNSHIP 4 S., U.S.B.&amp; M.

## CHAINS

October 6, at 7 a.m.l.m.t. I set off  $40^{\circ}09'N.$  on lat.arc,  $40^{\circ}44'S.$  on decl.arc; and determine a true meridian with the solar, at the cor. of secs. 7, 12, 13, and 18. Thence I run

North bet. secs. 7 and 12.

Ascend south slope of mountain, over stony land, through heavy cedar and pinon pine timber.

34.00 Ridge bears N. and S.E.; descend.

Difference bet. measurements of 40.00 chs. by two sets. of chainmen is 8 lks.; position of middle point

By 1st set is 40.04 chs.

By 2d set is 39.96 chs., the mean of which is

40.00 Set a sandstone 12x10x6 ins. 8 ins. in the ground, for  $\frac{1}{4}$  sec.cor., marked  $\frac{1}{4}$  on W. face; from which

A pinon pine 30 ins. diam. bears  $N.30^{\circ}W.$  54 lks dist. marked  $\frac{1}{2}$  S 12 B T.

A pinon 18 ins. diam. bears  $S.65^{\circ}E.$  17 lks dist. marked  $\frac{1}{4}$  S 7 B T

65.00 Saddle in ridge, pass N. and S., E. 5 chs. dist.

Leave timber, bears N.W. and S.E.;

70.00 Top of mountain, 1600 ft. above creek; ridge bears SE. and W. Descend through dense oak and sage brush.

Difference bet. measurements of 80.00 chs. by two sets of chainmen is 16 lks.; position of middle point

By 1st set 80.08 chs.

By 2d set 79.92 chs., the mean of which is

80.00 Set a sandstone 15x12x4 ins. 10 ins. in the ground, for cor. of secs. 1-6-7 and 12, marked with 1 notch on N. and 5 notches on S. edges; and raised a mound of stone 2 ft. base  $1\frac{1}{2}$  ft. high W. of cor.

Pits impracticable.

Land mountainous.

Soil stony; 3rd. and 4th. rate.

Timber cedar and pine.

Mountainous land, and heavily timbered 80.00 chs.

SECOND GUIDE MERIDIAN WEST THROUGH TOWNSHIP 4 S.E.S.B.& M.

CHAINS.

North bet. secs. 1 and 6

Descending north slope of mountain; over stony land;  
through dense oak brush.

Difference bet. measurements of 40.00 chs. by two sets of  
chainmen is 10 lks.; position of middle point

By 1st set 40.05 chs.

By 2d set 39.95 chs., the mean of which is

40.00 Set a sandstone 12x10x6 ins. 8 ins. in the ground, for  $\frac{1}{4}$   
sec. cor., marked  $\frac{1}{4}$  on W. face; raised a mound of stone 2  
ft. base  $1\frac{1}{2}$  ft. high W. of cor. Pits impracticable.

45.70 Lone pine tree 20 ins. diam., 30 lks. W. of line.

Difference bet. measurements of 80.00 chs. by two sets of  
chainmen is 12 lks.; position of middle point

By 1st set 80.06 chs.

By 2d set 79.94 chs., the mean of which is

80.00 500 ft. below  $\frac{1}{4}$  sec. cor.,

Set a sandstone 15x10x8 ins. 10 ins. in the ground, for  
corner of Tps. 3. and 4 S., Rgs. 8 and 9 W., marked 6  
notches on N. S. E. and W. edges; and raised a mound of stone  
2 ft. base  $1\frac{1}{2}$  ft. high S. of cor.; Pits impracticable.

Land mountainous.

Soil stony; 2nd and 3d rate.

No timber.

Mountainous land, covered with dense undergrowth 80.00  
chs. October 6, 1903..

## SECOND GUIDE MERIDIAN WEST THROUGH T.3 S., U.S.B.&amp; M.

CHAINS	
	October 9th., 1903,
	At 8h. a.m. l.m.t. I set off $59^{\circ} 56' S.$ on decl. arc; $40^{\circ} 10 \frac{1}{2}' W.$ on lat. arc, and determine a true meridian with the solar,
	At the cor. of Tps. 3 and 4 S., Rs. 8 and 9 W., hereto- fore described.
	Thence I run, N. on the Second Guide Meridian West, bet. secs. 31 and 36.
	Desc. on N. slope of mountain, through dense squaw, sage and oak brush.
	Difference between measurements of 40.00 chs. by two sets of chainmen, is 4 lks.; position of middle point, By 1st. set 40.02 chs.
	By 2nd. set 39.98 chs. the mean of which is, 40.00 500 ft. below sec. cor., set a sandstone 16x12x4 ins. 11 ins. in the ground for $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on W. face; from which
	A pinon pine tree 9 ins. diam. bears N. 10 lks. dist. mkd. $\frac{1}{4}$ S 31 R T.
	A cedar tree 3 ins. diam. bears N. $38^{\circ} E.$ 26 lks. dist. mkd. $\frac{1}{4}$ S 36 R T.
	Enter heavy cedar and pine timber, bears NW. and SW. 57.90 Ravine 100 ft. deep; course NE. Ascend.
	68.00 Descend along side of ridge, bears NW. and SW. Difference between measurements of 80.00 chs. by two sets of chainmen, is 8 lks.; position of middle point By 1st. set 79.96 chs.
	By 2nd. set 80.04 chs. the mean which is, 80.00 500 ft. below $\frac{1}{2}$ sec. cor., set a sandstone 20x12x8 ins. 15 ins. in the ground for cor. of secs. 25-30-31 and 36, mkd. with 1 notch on the S., and 5 notches on N. edge; from which
	A cedar tree 30 ins. diam. bears N. $25^{\circ} E.$ 90 lks. dist. mkd. T 3 S R 8 W S 30 R T.

SECOND GUIDE MERIDIAN WEST THROUGH T.3 S., U.S.B.& M.

CHAINS

A pinon pine tree 10 ins. diam. bears S.48°E.231 lks. dist.

mkd. T 3 S R 8 W S 31 B T.

A cedar tree 4 ins. diam. bears S.39°W. 25 lks. dist.

mkd. T 3 S R 9 W S 36 B T.

A cedar tree 6 ins. diam. bears N.76°W. 20 lks. dist.

mkd. T 3 S R 9 W S 25 B T.

Land mountainous.

Soil stony; 3rd. rate.

Timber cedar and pinon.

Mountainous land, covered with dense undergrowth. 80000 c.s.

N. bet. secs. 25 and 30

Over broken land, and lime stone ledges, through heavy cedar and pine timber.

1.00 Dry ravine 10 ft. below cor., course NW.

Ascend.

1.50 Ridge and top of ledges 100 ft. high, bears NW. and SE.

Descend.

9.50 Ravine 100 ft. deep, course NE.

Ascend.

32.75 Spur projects NE., leave cedar and pine timber, enter dense artimesa.

Differnce between measurements of 40.00 chs. by two sets of chainmen, is 18 lks.; position of middle point,

By 1st. set 40.09 chs.

By 2nd. set 39.91 chs. the mean of which is,

40.00 Set a sandstone 18x8x8 ins. 12 ins. in the ground for  $\frac{1}{4}$  sec. cor., mkd.  $\frac{1}{4}$  on W. face; and raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.

45.00 Enter bottom.

45.30 Road bears NE. and SW.

48.00 Currant Creek, 21 lks. wide, course E.

60.00 Canon 250 ft. deep, course W.

65.00 Leave bottom, bears NW. and SE.

SECOND GUIDE MERIDIAN WEST, THROUGH T.3 S., U.S.B.& M.

Chains.	Steep ascent.
71.00	Ridge bears E. and W.; enter scattering cedar and pine timber; descend.
79.85	Dry run, course SW.; ascend. Difference between measurements of 80.00 chs. by two sets of chainmen is 20 lks.; position of middle point, By 1st set 79.90 chs. By 2d set 80.10 chs.; the mean of which is
80.00	Set a sandstone 18x8x8 ins. 12 ins. in the ground for cor. of secs. 19, 24, 25, and 30, marked 2 notches on S. and 4 notches on N. edge; from which A cedar 4 ins. diam. bears N. $31^{\circ}E.$ 60 lks. dist. marked T 3 S R 8 W S 19 B T A cedar 15 ins. diam. bears S. $38^{\circ}E.$ 30 lks. dist. marked T 3 S R 8 W S 30 B T A cedar 4 ins. diam. bears S. $26\frac{1}{2}^{\circ}W.$ 77 lks. dist. marked T 3 S R 9 W S 25 B T A cedar 6 ins. diam. bears N. $20\frac{1}{2}^{\circ}W.$ 93 lks. dist. marked T 3 S R 9 W S 24 B T Land mountainous. Soil stony; 3d rate. Timber cedar and pine. Mountainous land; heavy timber or dense undergrowth 80.00 chs.
4.00	North bet. secs. 19 and 24 Ascend over broken land and ledges; through scattering cedar and pine timber and dense artemisia. Leave ledges bear NE. and SW. Difference between measurements of 40.00 chs. by two sets of chainmen is 6 lks.; position of middle point By 1st set 40.03 chs. By 2d set 39.97 chs., the mean of which is Deposit a marked stone 12 ins. in the ground for $\frac{1}{2}$ sec.

SECOND GUIDE MERIDIAN WEST THROUGH T.3 S., U.S.B.& N.

CHAINS.

cor.; dig pits 18x18x12 ins. N. and S. of cor. 4 ft. dist.; and raise a mound of earth  $3\frac{1}{2}$  ft. base  $1\frac{1}{2}$  ft. high over deposit.

In S. pit drive a pine stake 2 ft. long 2 ins. sq., 12 ins. in the ground marked  $\frac{1}{4}$  S 24 on W. face and 19 on E. face. Difference between measurements of 80.00 chs. by two sets of chainmen is 14 lks.; position of middle point

By 1st set 79.93 chs.

By 2d set 80.07 chs.; the mean of which is

80.00 Set a sandstone 18x15x10 ins. 10 ins. in the ground for cor. of secs. 13, 18, 19, and 24, marked with 3 notches on N. and S. edge; dig pits 18x18x12 ins. in each sec.  $5\frac{1}{2}$  ft. dist., and raise a mound of earth 4 ft. base 2 ft. high W. of cor. Land rolling and broken.

Soil stony; 2d rate.

Timber scattering cedar and pine.

Rolling and broken land, covered with dense undergrowth.

80.00 chs.

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North bet. secs. 13 and 18

Over rolling land; through dense sagebrush.

5.50 Dry wash, coarse S.E.; ascend.

9.00 Old road bears NW. and SE.

Difference between measurements of 40.00 chs. by two sets of chainmen is 4 lks.; position of middle point

By 1st set 40.02 chs.

By 2d set 39.98 chs.; the mean of which is

40.00 Set a sandstone 14x18x8 ins. 9 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on W. face; dig pits 18x18x12 ins. N. and S. of stone 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base  $1\frac{1}{2}$  ft. high W. of cor.

50.00 Ridge bears E. and W.; descend.

Difference between measurements of 80.00 chs. by two sets

SECOND-MERIDIAN WEST THROUGH T.3 S., U.S.B.& M.

CHAINS

of chainmen, is 16 lbs.; position of middle point,  
By 1st. set 79.92 chs.

By 2nd. set 80.08 chs. the mean of which is,

80.00 Set a cobblestone 18x6x6 ins. 12 ins. in the ground, for  
cor. of secs. 7-12-13 and 18, mkd. with 2 notches on N.,  
and 4 notches on S. edges; dig pits 18x18x12 ins. in each  
sec.  $5\frac{1}{2}$  ft. dist., and raise a mound of earth 4 ft. base,  
2 ft. high W. of cor.

Land rolling..

Soil sandy, clay and loam; 2nd. rate.

No timber.

Rolling land, covered with dense undergrowth. 80.00 chs.  
October 9, 1903, at this cor. I set off  $6^{\circ}01\frac{1}{2}'$ S. on decl.  
and at 12h.M.L.m.t. observe the sun on the meridian; the  
resulting lat. is  $40^{\circ}14'N$ .

H. bet. secs. 7 and 12

Desc. over rolling land, through dense sage brush.

15.00 Dry wash 10 lbs. wide, 10 ft. deep, coarse SE.

Steep ascent.

23.00 Top of ascent bears NW. and SW. Thence over bench.

38.00 Hesper-Vernal road bears E. and W.

Descend.

Difference between measurements of 40.00 chs. by two sets  
of chainmen, is 6 lbs.; position of middle point,

By 1st. set 40.03 chs.

By 2nd. set 39.97 chs. the mean of which is,

40.00 Set a cobblestone 18x8x6 ins. 12 ins. in the ground, for  
a sec. cor., mkd.  $\frac{1}{2}$  on W. face; from which.

A cedar 16 ins. diam. bears N. $54\frac{1}{2}$ E. 88 lbs. dist.

mkd.  $\frac{1}{2}$  S  $7\frac{1}{2}$  E T. No other trees within limit.

Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.

Enter scattering cedar timber, bears NE. and SW.

48.00 Dry run, course SW.

SEGOND-GUIDE MERIDIAN WEST THROUGH T.3 S., U.S.B.& M.

CHAINS

72.00 Ridge, bears NW. and SE., enter heavy cedar and pine timber.

Descend.

76.50 Road, bears NE. and SW.

Difference between measurements of 80.00 chs. by two sets of chainmen, is 14 lks.; position of middle point,

By 1st. set 79.93 chs.

By 2nd. set 80.07 chs. the mean of which is,

80.00 Set a sandstone 18x14x3 ins. 12 ins. in the ground, for cor. of secs. 1-6-7 and 12, mkd. with 1 notch on N., and 5 notches on S. edge; from which

A pine 8 ins. diam. bears N. 62°E. 82 lks. dist.

mkd. T 3 S R 8 W S 6 B T.

A cedar 10 ins. diam. bears S. 61°E. 37 lks. dist.

mkd. T 3 S R 8 W S 7 B T.

A cedar 8 ins. diam. bears S. 50°W. 32 lks. dist.

mkd. T 3 S R 9 W S 12 B T.

A cedar 18 ins. diam. bears N. 58°W. 38 lks. dist.

mkd. T 3 S R 9 W S 1 B T.

Land rolling.

Soil stony and loam; 3rd. and 4th. rate:

Timber cedar and pine.

Rolling land; heavy timber, and dense undergrowth. 80.00 chs.

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N. bet. secs. 1 and 6

Desc. along broken W. slope of canon, through heavy cedar and pine timber.

33.00 Leave heavy cedar and pine timber, enter dense sage brush, bear E. and W.

38.50 Ravine 150 ft. deep, course SE.

Ascend.

Difference between measurements of 40.00 chs. by two sets of chainmen, is 8 lks.; position of middle point,,

## SECOND GUIDE MERIDIAN WEST THROUGH T.3 S.R.3 W., U.S.B.&amp; M.

chains.	By 1st set 40.04 chs.
40.00	By 2d set 39.96 chs., the mean of which is Set a cobblestone 18x9x5 ins.12 ins.in the ground for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.face;dig pits 18x18x12 ins.N. and S.of stone 3 ft.dist.;and raise a mound of earth $3\frac{1}{2}$ ft.base $1\frac{1}{2}$ ft.high W.of cor.
50.00	Ridge bears NW.and SE. Descend.
66.00	Enter heavy cedar and pine timber bears NE.and SW. Difference between measurements of 80.00 chs.by two sets of chainmen is 16 lks.;position of middle point By 1st set 79.92 chs.
80.00	By 2d set 80.08 chs., the mean of which is Set a cobblestone 18x16x8 ins.12 ins.in the ground for cor.of Tps.2 and 3 S.Rs.3 and 9 W.,marked with 6 notches on each edge;from which: A cedar 16 ins.diam.bears N. $63\frac{1}{2}$ <sup>o</sup> E.33 lks.dist. marked T 2 S R 8 W S 31 B T A cedar 8 ins.diam.bears S. $12^{\circ}$ E.83 lks.dist. marked T 3 S R 8 W S 6 B T A cedar 4 ins.diam.bears S. $55^{\circ}$ W.81 lks.dist. marked T 3 S R 9 W S 1 B T A cedar 10 ins.diam.bears N. $55^{\circ}$ W.75 lks.dist. marked T 2 S R 9 W S 36 B T Land mountainous. Soil stony;2d and 3d rate. Timber cedar and pine. Mountainous land covered with heavy timber 80.00 chs.

October 9, 1903.

SECOND GUIDE MERIDIAN WEST THROUGH T.2 S.R.8 W.U.S.B.& M.

Chains

On account of recent tests taken at the standard cor. of Tp.4 S.Rs.8 and 9 W., I deem it unnecessary to make a complete test at this time; therefore I make a partial test as follows:

At the cor. of Tps.2 and 3 S.Rs.8 and 9 W., heretofore described,

October 12, 1903, at 0 h.7 m.a.m.l.m.t. I observe Polaris at upper culmination in accordance with Manual of Instructions, and mark the meridian thus determined by cutting a groove in a stone firmly set in the ground 5 chs. N. of my station.

October 12, 1903, at 7 h.a.m.l.m.t. I set off  $40^{\circ}16'N.$  on lat.arc;  $7^{\circ}01'S.$  on decl.arc; and determine a meridian with the solar.

The meridian thus determined falls on a pole held on the point cut in the stone, to mark the meridian determined by Polaris observation.

Thence I run

North on Second Guide Meridian West bet. secs. 31

Bet. secs. 31 and 36

Descend over mountainous land; through heavy pine and cedar timber.

20.00 Leave pine and cedar timber; enter dense sagebrush.

30.00 Begin steep descent.

35.00 Enter dense willows.

35.40 Red Creek 15 lks. wide, course S. $35^{\circ}E.$

36.00 Leave willows.

Difference between measurements of 40.00 chs. by two sets of chainmen is 6 lks.; position of middle point

By 1st set 40.03 chs.

By 2d set 39.97 chs., the mean of which is

40.00 Set a sandstone 14x9x8 ins. 9 ins. in the ground for  $\frac{1}{4}$  sec.cor., marked  $\frac{1}{4}$  on W.face; raise a mound of stone 2 ft. base  $1\frac{1}{2}$  ft. high W.of cor.

## SECOND GUIDE MERIDIAN WEST THROUGH T.2 S., R.8 W., U.S.B.&amp; M.

CHAINS	
48.35	Recross Red Creek 15 lks. wide, course SW.
69.30	Dry wash, course SE.
72.00	Steep ascent, enter heavy pine and cedar timber. Difference between measurements of 80.00 chs. by two sets of chainmen, is 13 lks.; position of middle point, By 1st. set 79.91 chs. By 2nd. set 80.09 chs. the mean of which is,
80.00	Set a cobblestone 16x10x8 ins. 11 ins. in the ground, for cor. of secns. 25-30-31 and 36, mkd. with 5 notches on N., and 1 notch on S. edge; from which A cedar 7 ins. diam. bears N. $89\frac{1}{2}$ E. 11 lks. dist. mkd. T 2 S R 8 W S 30 B T. A cedar 14 ins. diam. bears S. $14\frac{1}{2}$ E. 21 lks. dist. mkd. T 2 S R 8 W S 31 B T. A cedar 18 ins. diam. bears S. $60^{\circ}W$ . 32 lks. dist. mkd. T 2 S R 9 W S 36 B T. A cedar 12 ins. diam. bears N. $48\frac{1}{2}W$ . 41 lks. dist. mkd. T 2 S R 9 W S 25 B T. Land mountainous. Soil stony; 2nd. rate. Timber cedar and pine. Mountainous land; and heavy timber, on 80.00 chs.
	1. bet. secns. 25 and 30
	Abo. over mountainous land, through cedar and pine timber.
19.90	Abrupt descent.
26.00	Leave timber, bears SW.
39.50	Red Creek 14 lks. wide, course SE. Difference between measurements of 40.00 chs. by two sets of chainmen, is 7 lks.; position of middle point, By 1st. set 40.03 $\frac{1}{2}$ chs. By 2nd. set 39.95 $\frac{1}{2}$ chs. the mean of which is

SECOND GUIDE MERIDIAN WEST THROUGH T.2 S., R.8 W., U.S.B.& M.

CHAINS	
40.00	Set a sandstone 16x8x8 ins. 11 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on W. face; dig pits 18x18x12 ins. N. and S. of stone, 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high W. of cor.
58.00	Asc. over broken land, through cedar and pine timber. Difference between measurements of 80.00 chs. by two sets of chainmen, is 16 lks.; position of middle point, By 1st. set 79.92 chs. By 2nd. set 80.08 chs. the mean of which is,
80.00	Set a cobblestone 14x10x6 ins. 10 ins. in the ground, for cor. of secs. 19-24-25 and 30, mkd. with 4 notches on N., and 2 notches on S. edge; from which A pine 12 ins. diam. bears N. $48^{\circ}$ E. 94 lks. dist. mkd. T 2 S R 8 W S 19 B T. A pine 18 ins. diam. bears S. $75^{\circ}$ E. 50 lks. dist. mkd. T 2 S R 8 W S 30 B T. A pine 8 ins. diam. bears S. $64^{\circ}$ W. 84 lks. dist. mkd. T 2 S R 9 W S 25 B T. A pine 4 ins. diam. bears N. $70^{\circ}$ W. 60 lks. dist. mkd. T 2 S R 9 W S 24 B T. Land mountainous. Soil stony; 3rd. rate. Timber cedar and pine. Mountainous land, and heavy timber. 80.00 chs. October 12, 1903, at this cor. I set off 7°09' S. on decl. arc, and at 12h. m. l.m.t. observe the sun on the meridian; the resulting lat. is $40^{\circ}18'N$ .
	W. bet. secs. 19 and 24 Asc. over mountainous land, through dense oak brush. Difference between measurements of 40.00 chs. by two set of chainmen is 8 lks.; position of middle point, By 1st. set 40.04 chs. By 2nd. set 39.96 chs. the mean of which is,

SECOND GUIDE MERIDIAN WEST THROUGH T.2 S., R.8 W., U.S.B.& M.

CHAINS

- 40.00 Set a sandstone 20x14x10 ins. 15 ins. in the ground, for  $\frac{1}{4}$  sec. cor., mkd.  $\frac{1}{4}$  on W. face, and raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft.. high W. of cor.
- 65.55 Creek 3 lks. wide; course SW. . . . .
- 67.50 Steep ascent, enter scattering cedar and pine timber.
- 72.60 Point of spur, projects SW.. . .  
Descend.  
  
Difference between measurements of 80.00 chs. by two sets of chainmen, is 20. lks.; position of middle point,  
By 1st. set 79.90 chs.  
By 2nd.. set 80.10 chs. the mean of which is,  
80.00 Set a sandstone 20x18x8 ins. 15 ins. in the ground, for cor. of secs. 15-18-19 and 24, mkd. with 3 notches on N., and S. edges; from which  
A cedar 24 ins.. diam. bears N.  $12^{\circ}$ E. 144 lks. dist.  
mkd. T 2 S R 8 W S 18 B T.  
A cedar 12 ins. diam. bears N.  $19^{\circ}$ W. 129 lks. dist.  
mkd. T 2 S R 8 W S 15 B T.  
No other trees within limit..  
  
Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.  
Land mountainous.  
Soil stony; 3rd. rate.  
Timber cedar and pine.  
Mountainous land. 80.00 chs.  
  
N. bet. secs. 13 and 18  
Asc. over broken land, through cedar and pine timber.  
13.85 Leave timber, bears SW.  
30.00 Enter heavy cedar and pine timber, bears SW.  
39.60 Dry wash, course SW.  
  
Difference between measurements of 40.00 chs. by two sets of chainmen, is 6 lks.; position of middle point,  
By 1st. set 40.03 chs.  
By 2nd.. set 39.97 chs. the mean of which is

SECOND GUIDE MERIDIAN WEST THROUGH T.22S., R.8 W., U.S.B.& M.

CHAINS

- 40.00 Set a cobblestone 18x10x10 ins. 12 ins. in the ground, for  $\frac{1}{4}$  sec. cor., mkd.  $\frac{1}{4}$  on W. face; from which A cedar 20 ins. diam. bears N.  $82^{\circ}E.$  35 lks. dist. mkd.  $\frac{1}{4}$  S 18 B T. A cedar 14 ins. diam. bears N.  $81\frac{1}{2}^{\circ}W.$  29 lks. dist. mkd.  $\frac{1}{4}$  S 13 B T.
- 52.43 Spur projects SW.  
Descend.
- 60.00 Ravine 250 ft. deep, course SW.  
Ascend.  
Difference between measurements of 80.00 chs. by two sets of chainmen, is 18 lks.; position of middle point,  
By 1st. set 79.91 chs.  
By 2nd. set 80.09 chs. the mean of which is,
- 80.00 Set a cobblestone 16x10x8 ins.. 11 ins. in the ground, for cor. of secs. 7-12-13 and 18, mkd. with 2 notches on N., and 4 notches on S. edge, and raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.  
Land mountainous..  
Soil stony; 3rd. rate.  
Timber cedar and pine.  
Mountainous land; heavy timber. 80.00 chs.

October 12, 1903.

October 13, 1903, at 8h. a.m. l.m.t. I set off  $40^{\circ}19'N.$  on lat. arc;  $7^{\circ}27'S.$  on decl. arc, and determine a true meridian with the solar at the cor. of secs. 7,12,13 and 18. Thence I run

- N. bet. secs. 7 and 12  
Desc. over mountainous land, through dense oak and sage brush.
- 10.00 Steep descent.
- 22.25 Creek 4 lks. wide, course W., ascend..  
Difference between measurements of 40.00 chs, by two sets of chainmen 6 lks.; position of middle point,

## SECOND GUIDE MERIDIAN WEST THROUGH T.2 S.R.8 W.U.S.B.&amp; M.

Chains.	By 1st set 40.03 chs.
40.00	By 2d set 39.97 chs., the mean of which is Set a cobblestone 14x10x6 ins. 9 ins. in the ground for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on W.face; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high W.of cor.
47.00	Spur projects W. Descend.
62.00	Ravine 200 ft. deep, course W.; ascend.
67.85	Top of knoll; descend.
72.00	Hollow course SW.; ascend.  Difference between measurements of 80.00 chs. by two sets of of chainmen is 16 lks.; position of middle point By 1st set 79.92 chs.
80.00	By 2d set 80.08 chs.; the mean of which is Set a sandstone 22x12x10 ins. 16 ins. in the ground for cor. of secs. 1, 6, 7, and 12, marked with 1 notch on N. and 5 notches on S. edge; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high W.of cor.  Land mountainous.  Soil stony; 3d rate.  No timber.  Mountainous land covered with dense undergrowth 80.00 chs.

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N.betsecs.1 and 6

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Ascend over mountainous land; through oak and sagebrush.
5.25 Spur projects S.70°W.;descend.
13.00 Draw 50 ft. deep, course W.
Ascend.
39.00 Tabby's Creek 10 lks.wide, course SW.  Difference between measurements of 40.00 chs. by two sets of chainmen is 4 lks.; position of middle point By 1st set 40.02 chs.
By 2d set 39.98 chs.; the mean of which is  40.00 Set a cobblestone 14x10x4 ins. 9 ins. in the ground for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on W.face; from which

SECOND GUIDE MERIDIAN WEST THROUGH T.2 S.R.8 W.U.S.B. & M.

Chains. An aspen 6 ins. diam. bears N.70°E.66 lks. dist.  
" marked  $\frac{1}{4}$  S 6 B T  
An aspen 5 ins. diam. bears N.46°W.77 lks. dist.  
marked  $\frac{1}{4}$  S 1 B T  
Enter dense aspen timber bears NE. and SW.  
46.00 Leave aspen timber; enter oak and sagebrush.  
56.00 Spur projects SW.  
Descend.  
60.00 Head of hollow, course W.  
Difference between measurements of 79.80 chs. by two sets  
of chainmen is 10 lks.; position of middle point  
By 1st s et 79.85 chs.  
By 2d set 79.75 chs. the mean of which is  
79.80 Being equal to the length of the E.bdy. as established  
by Deputies Stewart and Booth, under their contract No.  
270,  
Set a sandstone 16x11x8 ins. 11 ins. in the ground for  
cor. of Tps. 1 and 2 S.Rs. 8 and 9 W., marked T 1 S on NE;  
8 W on SE; 2 S on SW.; and 9 W on NW face, with 6 notches on  
each edge; and raise a mound of stone 2 ft. base  $1\frac{1}{2}$  ft.  
high S. of cor.  
Land mountainous.  
Soil stony; 3d rate.  
Timber aspen.  
Mountainous land, covered with dense undergrowth 79.80 chs.  
October 13, 1903, at this cor. I set off  $7^{\circ}31\frac{1}{2}'S.$  on the  
decl. arc; and at 11 h. 47 m.a.m.l.m.t. observe the sun on  
the meridian; the resulting lat. is  $40^{\circ}21'N.$

October 13, 1903.

SECOND GUIDE MERIDIAN WEST THROUGH T.1 S., R.8 W., U.S.B.& M.

CHAINS October 17, 1903, at the corner of Tps. 1 and 2 S., Ranges 8 and 9 W., heretofore described I examine the adjustments of the transit and find them correct. Then in order to test the solar apparatus by comparing its indications resulting from solar observations made during p.m. and a.m. hours, with a meridian determined by observation on Polaris, I proceed as follows:

At 4h. p.m. l.m.t. I set off  $40^{\circ}21'N.$  on lat. arc;  $9^{\circ}03'S.$  on decl. arc, and determine a meridian with the solar, and mark the meridian thus determined by a cross cut in a stone, firmly set in the ground, 5 chs. N. of my station.

October 18, 1903, at 11h. 39m. p.m. l.m.t. I observe Polaris at upper culmination in accordance with Manual of Instructions, and mark the meridian thus determined by a groove cut in a stone, firmly set in the ground, 5 chs. N. of my station.

October 18, 1903, at 8h. a.m. l.m.t. I set off  $40^{\circ}21'N.$  on lat. arc;  $9^{\circ}18'S.$  on decl. arc, and determine a meridian with the solar; the meridian thus determined falls on a pole held on the cross cut in the stone to mark the meridian determined by p.m. solar observation, and tested by observation on Polaris.

The solar apparatus by p.m. and a.m. observation, defines the same position for the meridian, as that obtained by observation on Polaris; therefore I conclude that the adjustments of the instrument are correct.

From the cor. of Tps. 1 and 2 S., Rs. 8 and 9 W., heretofore described,

Thence I run,

W. on Second Guide Meridian W., bet. secs. 31 and 36 Asc. over mountainous land, through dense squaw, sage and oak brush, and scattering aspen timber.

Difference between measurements of 40.00 chs. by two sets of chainmen, is 8 lks.; position of middle point,

SECOND GUIDE MERIDIAN WEST THROUGH T.1 S., R.8 W., U.S.B.& M.

CHAINS

By 1st. set 40.04 chs.

By 2nd. set 39.96 chs. the mean of which is,

40.00 400 ft. above Twp. cor...

Set a cobblestone 15x10x6 ins. 10 ins. in the ground, for  
sec. cor., mkd.  $\frac{1}{4}$  on W. face; from which

An aspen 4 ins. diam. bears N.  $2\frac{1}{2}$ E. 80 lks. dist.

mkd.  $\frac{1}{4}$  S 31 B T.

An aspen 5 ins. diam. bears S.  $22^{\circ}$ W. 50 lks. dist.

mkd.  $\frac{1}{4}$  S 36 B T.

Difference between measurements of 80.00 chs. by two set.  
of chainmen, is 14 lks.; position of middle point,

By 1st. set 79.97 chs.

By 2nd. set 80.07 chs. the mean of which is,

80.00 800 ft. above cor.

Set a sandstone 18x10x8 ins. 12 ins. in the ground, for  
cor. of secs. 25-30-31 and 36, mkd. with 5 notches on N.,  
and 1 notch on S. edge; from which

An aspen 4 ins. diam. bears N.  $40^{\circ}$ E. 3 lks. dist.

mkd. T 1 S R 8 W S 30 B T.

An aspen 4 ins. diam. bears S.  $36^{\circ}$ E. 18 lks. dist.

mkd. T 1 S R 8 W S 31 B T.

An aspen 4 ins. diam. bears S.  $28^{\circ}$ W. 15 lks. dist.

mkd. T 1 S R 9 W S 36 B T.

An aspen 4 ins. diam. bears N.  $36^{\circ}$ W. 34 lks. dist.

mkd. T 1 S R 9 W S 25 B T.

Land mountainous.

Soil stony 3rd. rate.

Timber aspen.

Mountainous land, covered with dense undergrowth. 80.00 chs.

N. bet. secs. 25 and 30

Asc. over mountainous land, through dense oak and squaw  
brush.

## SECOND QUADRANT MERIDIAN WEST THROUGH T. 1 S., R. 8 W., U.S.B.&amp;M.

CHAINS	
22.00	Spur projects W. Descend.
30.00	Ravine 200 ft. deep, course W. Ascend.  Difference between measurements of 40.00 chs. by two sets of chainmen, is 8 lks.; position of middle point, By 1st. set 40.04 chs. By 2nd, set 39.96 chs. the mean of which is,
40.00	Set a cobblestone 12x10x8 ins. 8 ins. in the ground, for sec. cor., mkd. $\frac{1}{4}$ on W. face; and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
50.00	Point of spur projects W. Descend.
76.00	Enter heavy aspen timber, bears W.  Difference between measurements of 80.00 chs. by two sets of chainmen, is 20 lks.; position of middle point, By 1st. set 79.80 chs. By 2nd. set 80.10 chs. the mean of which is, Set a sandstone 18x10x6 ins. 12 ins. in the ground, for cor. of secn. 19-24-25 and 30, mkd. with 4 notches on N., and 2 notches on S. edge; from which  An aspen 4 ins. diam. bears N. $55\frac{1}{2}^{\circ}$ E. 65 lks. dist. mkd. T 1 S R 8 W S 19 B T.  An aspen 5 ins. diam. bears S. $40^{\circ}$ E. 14 lks. dist. mkd. T 1 S R 8 W S 30 B T.  An aspen 6 ins. diam. bears S. $32^{\circ}$ W. 50 lks. dist. mkd. T 1 S R 9 W S 25 B T.  No other trees within limit.  Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. Land mountainous. Soil stony; 3rd. rate. Timber aspen.  Mountainous land; heavy timber, and dense undergrowth. 80.00 chs.
October 18, 1903, at 11h. 47m. a.m. l.m.t. I set off.	

## SECOND GUIDE MERIDIAN WEST THROUGH T. 1 S., R. 8 E., U. S. S. S. M.

## CHAINS

$40^{\circ}23'$ 'S. on decl. and at 12 h.M.L.M.S. observe the junction of the meridian; the resulting lat. is  $40^{\circ}23'N.$

W. bet. secn. 19 and 24

Acc. over mountainous land, through dense oak and quaw brush.

4.00 Spur projects SE.

Descend.

7.00 Enter scattering aspen timber, bears SW.

23.00 Head of hollow, course SW.

Ancend.

25.00 Spur projects S.  $60^{\circ}W.$

Descend.

Difference between measurements of 40.00 chs. by two sets of chainmen, is 10 lbs.; position of middle point,

By 1st. set 40.05 chs.

By 2nd. set 39.95 chs. the mean of which is,

40.00 Set a sandstone 14x12x5 ins. 10 ins. in the ground, for  $\frac{1}{2}$  sec. cor., mkd.  $\frac{1}{4}$  on W. face; and raise a mound of stone 2 ft. high,  $1\frac{1}{2}$  ft. high W. of cor.

73.00 Enter pine timber, bears SW.

Difference between measurements of 80.00 chs. by two sets of chainmen, is 18 lbs.; position of middle point,

By 1st. set 79.81 chs.

By 2nd. set 80.09 chs. the mean of which is,

80.00 Set aspen post 3ft. long, 4" sq., 24 ins. in the ground, for cor. of secn. 15-18-19 and 24, mkd.

7 1 S S 18 on NW.,

R S W S 19 on SW.,

R O W S 24 on SE., and

S 13 on NE. face, with 3 notches on N. and S. edges; from which

A pine 7 ins. diam. bears N. 61 $^{\circ}$ E. 44 lbs. dist.

mkd. 7 1 S R S W S 18 R T.

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SECOND GUIDE MERIDIAN WEST THROUGH T.1 S., R.8 W., U.S.B.& M.

CHAINS

A pine 14 ins. diam. bears S.  $23\frac{1}{2}$ °E. 49 lks. dist.  
mkd. T 1 S R 8 W S 19 B T.

A pine 6 ins. diam. bears S.  $26^{\circ}$ W. 135 lks. dist.  
mkd. T 1 S R 9 W S 24 B.T..

A pine 10 ins. diam. bears N.  $66^{\circ}$ W. 59 lks. dist.  
mkd. T 1 S R 9 W S 13 B T.

Land mountainous.

Soil stony; 3rd. rate.

Timber aspen.

Mountainous land; heavy timber, and dense undergrowth.  
80.00 chs.

N. bet. secs. 13 and 18

Desc. over mountainous land, through heavy aspen, and  
scattering pine timber.

1.50 Leave pine timber, bears NE.

13.00 Leave heavy aspen, enter scattering aspen timber, bears NE.

19.50 Draw, course NE.

Ascend.

23.00 Spur projects NE.

Descend.

Difference between measurements of 40.00 chs. by two sets  
of chainmen, is 4 lks.; position of middle point,

By 1st. set 40.02 chs.

By 2nd. set 39.98 chs. the mean of which is,

40.00 Set a sandstone 20x10x8 ins. 15 ins. in the ground, for  
 $\frac{1}{4}$  sec. cor., mkd.  $\frac{1}{2}$  on W. face; and raise a mound of  
stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.

41.50 Head of ravine, course NE.

Ascend.

43.00 Spur projects NE., enter heavy aspen timber.

Descend.

59.00 Ravine 200 ft. deep, course NE.

Ascend.

SECOND GUIDE MERIDIAN WEST THROUGH T.1 S., R.8 W., U.S.B.& M.

CHAINS

- 75.00 Leave aspen timber, bears. NW.  
Difference between measurements of 80.00 chs. by two sets of chainmen, is 14 lks.; position of middle point,  
By 1st. set 79.93 chs.  
By 2nd. set 80.07 chs. the mean of which is,  
80.00 Set a cobblestone 18x12x10 ins. 12 ins. in the ground,  
for cor. of secs. 7-12-13 and 18, mkd. with 2 notches on  
N., and 4 notches on S. edge; and raise a mound of stone  
2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.  
Land mountainous.  
Soil stony; 3rd. and 4th. rate.  
Timber aspen and pine.  
Mountainous land; heavy timber. 80.00 chs.

October 18, 1903.

October 19, 1903, at 8h. a.m. l.m.t. I set off  $40^{\circ}25'N.$   
on lat. arc;  $9^{\circ}18'S.$  on decl. arc, and determine a meridian with the solar, at the cor. of secs. 7, 12, 13, and 18.  
Thence I run,

N. bet. secs. 7 and 12

Desc. over mountainous land, through dense squaw and sag brush.

- 5.00 Draw, course NW.  
Ascend.  
8.00 Spur projects NW.  
Descend.  
20.00 Ravine 250 ft. deep, course NW.  
Ascend.  
Difference between measurements of 40.00 chs. by two sets of chainmen, is 8 lks.; position of middle point,  
By 1st. set 40.04 chs.  
By 2nd. set 39.96 chs. the mean of which is,  
40.00 Set a sandstone 14x12x5 ins. 10 ins. in the ground, for

SECOND GUIDE MERIDIAN WEST, THROUGH T.1 S.R.8 W.U.S.B.& M.

- chains.  $\frac{1}{2}$  sec.cor., marked  $\frac{1}{4}$  on W.face; and raise a mound of stone 3 ft. base  $1\frac{1}{2}$  ft. high W.of cor.
- 46.15 Spur ridge bears NW. and SE.; descend.
- 66.00 Enter willows and bottom of Sand Creek Canon, course NE.
- 74.00 Sand Creek 4 lks. wide, course NE.
- Leave willows; enter heavy cedar and pine timber bears NE. Ascend.
- Difference between measurements of 80.00 chs. by two sets of chainmen is 18 lks.; position of middle point  
By 1st set 79.91 chs.  
By 2d set 80.09 chs.; the mean of which is
- 80.00 Set a limestone 16x10x10 ins. 11 ins. in the ground for cor. of secs. 1, 6, 7, and 12, marked with 1 notch on N. and S. notches on S. edge; from which  
A cedar 6 ins. diam. bears N.  $68^{\circ}$ E. 54 lks. dist.  
marked T 1 S R 8 W S 6 B T  
A cedar 6 ins. diam. bears S.  $59^{\circ}$ E. 57 lks. dist.  
marked T 1 S R 8 W S 7 B T  
A cedar 7 ins. diam. bears S.  $53^{\circ}$ W. 51 lks. dist.  
marked T 1 S R 9 W S 12 B T  
A cedar 6 ins. diam. bears N.  $88^{\circ}$ W. 16 lks. dist.  
marked T 1 S P 9 W S 1 B T  
Larch mountainous.  
Soil stony; 3d rate.  
Timber cedar and pine.  
Mountainous land, covered with dense undergrowth or heavy timber 80.00 chs.

North bet. secs. 1 and 6

Ascending over mountainous land; through heavy pine and cedar timber.

21.50 Spur projects SW.; leave timber; descend.

32.00 Ravine 200 ft. deep, course SW.; enter dense oak and squaw brush; ascend.

- 100.00 Difference between measurements of 40.00 chn. by two sets of stations to 6 lbs.: position of middle point  
by 1st set 40.03 chn.  
by 2d set 40.07 chn., the mean of which is  
40.05
- Set a sandstone 10x10x5 ins.12 ins.in the ground for  
a marker, rounded ♦ on E. face; and raise a mound of stone  
to a height of 1 ft. high E. of marker.
- 100.07 Upper ; protects S.E. quadrant.
- 100.08 Divide 200 ft. deep, course S.E.; ascend.  
Difference between measurements of 80.00 chn. by two  
sets of stations is 20 lbs.: position of middle point  
by 1st set 80.70 chn.  
by 2d set 80.00 chn., the mean of which is  
80.00
- Intersect Minish Spring base line 12.00 chn. N. of the  
marker ♦ and run on S.Wly. of sec. 31, which is a sand-  
stone 10x5x5 ins. above ground firmly set and marked and  
described as described by Deputy Washington Jenkins,  
under his warrant No. 275.
- Set a sandstone 10x10x5 ins.12 ins.in the ground for  
a lower corner of Cr. 1 S. 8o. R. and S. R., marked  
as I. C. on S.  
S. R. on E.  
S. R. on W. face, with 6 grooves on S.E. and W. faces  
and 2 on N. face; 12 stones 2 ft. apart 12 ft. high S. of  
marker.
- Front bearing 110° 00'.
- 2d station; 3d and 4th same.
- Working plane and center.
- Marked 1000 ft. from marker.
- Marked 1000 ft. from marker with distance  
recording 1000 ft. 100.00 chn.
- Center 100 ft. from 200 ft. off 4° 45' S. on decl. 100°  
and at 11 h.45 m. a. st. n. st. observer thrown on the 200  
ft. marker permitting 100.1± 40° 20' 30" N.

Ottawa 19, 1903.

SECOND GUIDE MERIDIAN WEST, THROUGH T.I S..R.S W., U.S.R.S. M.

For general description see subdivision of each township.

*Frederick C. Geron*

U.S. Deputy Surveyor.

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## FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

## LIST OF NAMES.

A list of the names of the individuals employed by Frederick C. Terson

United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of 2nd Guide Meridian Post Through 19th Meridian 8th Parallel Special Line of meridian 2' later showing the respective capacities in which they acted:

Leon E. Duncan, Bryon S. Kershaw, Chainman.

Charles Journeay, Herbert D. Page, Chainman.

Edward Murdock, Moundman.

, Moundman.

Heiman Wagner, Axman.

, Axman.

Heiman Wagner, Flagman.

## FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Frederick C. Terson

United States Deputy Surveyor, in surveying all those parts or portions of the 1st Guide Meridian Post Through 19th Meridian Post, through 19th Meridian Post, through 8th Parallel

of the Clinton Special Line of meridian, State of New York, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for 19th Meridian Post.

Leon E. Duncan, Bryon S. Kershaw, Chainman.

Charles Journeay, Herbert D. Page, Chainman.

Edward Murdock, Moundman.

, Moundman.

Heiman Wagner, Axman.

, Axman.

Subscribed and sworn to before me this 19th

day of October, 1890, }

SEAL  
000000

Frederick C. Terson  
U.S. Deputy Surveyor

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Frederick C. Ferron, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Edward H. Anderson United States Surveyor General for Utah, bearing date of the 10th day of September, 1903, XIX, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Utah, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the Second Guide Meridian West through Townships 1, 2, 3, and 4 South.

of the Uintah Special Base and meridian, in the State of Utah, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for Utah, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

*Frederick C. Ferron*  
United States Deputy Surveyor.

Subscribed by said Frederick C. Ferron, and sworn to before me }  
this 20th day of December, 1904 XIX }

*Edward H. Anderson*  
U.S. Surveyor-General

for Utah.

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, December 20 1904.

The foregoing field notes of the survey of the Second Guide Meridian West, through Townships 1, 2, 3, and 4 South, of the Uintah Special Base and Meridian, Utah,

executed by George C. Swan and Frederick C. Ferron under their contract No. 270, dated September 10, 1903, XIX, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

*Edward H. Anderson*  
United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in \_\_\_\_\_, has been correctly copied from the original notes on file in this office.

United States Surveyor General.

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4-679.

BOOK A-312

FILED

SEP 30 1904

O. N. G.

# FIELD NOTES

OF THE SURVEY OF THE

Subdivision  
of  
Township No. 4 South  
Range No 8 West

of the Clinton Special base and Meridian,  
In the state of Utah.

AS SURVEYED BY

George C. Swank & Frederick C. Brown, United States Deputy Surveyors,  
Under their Contract No. 278, dated September 10<sup>th</sup>, 1890.

Survey commenced Oct 4<sup>th</sup>, 1890.

Survey completed Oct. 19<sup>th</sup>, 1890.

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15 - 60 00 41

## NAMES AND DUTIES OF ASSISTANTS.

Thomas F. G. Chairman

Alfred J. Petersen " "

Alpha H. Manning moundman

George Alexander admans

Paul G. Richardson flagman

BOOK A-312

INDEX DIAGRAM.

*Township* \_\_\_\_\_, *Range* \_\_\_\_\_

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31	32	33	34	35	36

*Meanders Page* \_\_\_\_\_

PRELIMINARY OATHS OF ASSISTANTS.

WE, Thomas Neir

and Alfred J. Peterson.

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of Subdivisions of Tps. 1, 2, 3 & 4 S. R. 8 N. of the Uintah special base and Meridian state of Utah.

Thomas Neir, Chainman.

Alfred J. Peterson, Chainman.

Subscribed and sworn to before me this 4th  
day of October, 1890 }  


WE, Alpha H. Manning

George G. Swan

U. S. Deputy Surveyor

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of Subdivisions of Tps. 1, 2, 3 & 4 S. R. 8 N. of the Uintah special base and Meridian state of Utah.

Alpha H. Manning, Moundman.

, Moundman.

Subscribed and sworn to before me this 4th  
day of October, 1890 }  


WE, George Alexander

George G. Swan

U. S. Deputy Surveyor

do solemnly swear that we will well and truly perform the duties of axman in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of Subdivisions of Tps. 1, 2, 3 & 4 S. R. 8 N. of the Uintah special base and Meridian state of Utah.

George Alexander, Axman.

, Axman.

Subscribed and sworn to before me this 4th  
day of October, 1890 }  


I, Paul G. Richeson,

George G. Swan

U. S. Deputy Surveyor

do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of Subdivisions of Tps. 1, 2, 3 & 4 S. R. 8 N. of the Uintah special base and Meridian state of Utah.

Paul G. Richeson, Flagman.

Subscribed and sworn to before me this 4th  
day of October, 1890 }  


George G. Swan

U. S. Deputy Surveyor

## SUBDIVISION OF T.4 S.R.8 W.U.S.B.&amp; M.

Survey commenced October 4, 1903, and executed with a W. & L.E. Gurley light mountain transit, No. ---, with solar attachment; the horizontal limb is provided with two double verniers placed opposite to each other reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs.

The instrument was examined, tested on the true meridian at Salt Lake City, found correct and was approved by the surveyor general Sept. 19, 1903.

I examine the adjustments of the transit and find them correct; then, to test the solar apparatus by comparing its indications resulting from solar observations made during p.m. and a.m. hours with a meridian determined by Polaris observation I proceed as follows:

At the standard cor. of secs. 35 and 36 on S.bdy. of Tp. heretofore described; lat.  $40^{\circ}05'28''$  N.; long  $110^{\circ}46'48''$  W., at 4 h.00 m.p.m.l.m.t. I set off  $40^{\circ}05\frac{1}{2}'3''$  N. on lat. arc;  $4^{\circ}09'5''$  S. on decl. arc; and determine a true meridian with the solar, and mark a point thereof on a stone firmly set in the ground 5 chs. N. of my station.

Oct. 4, 1903.

Oct. 5: , at 0 h.34 m.a.m.l.m.t. I observe Polaris at upper culmination in accordance with Manual of Instructions; the meridian thus determined falls on a pole set on the mark determined by p.m.solar observation.

At 7 h.0 m.a.m.l.m.t. I set off  $40^{\circ}05\frac{1}{2}'N.$  on lat. arc;  $4^{\circ}21'5''$  S. on decl. arc; and determine a true meridian with the solar; the meridian thus determined falls on the pole set on the mark determined by p.m.solar and Polaris observations.

The solar apparatus by p.m. and a.m. hours defines position for meridian same as by Polaris observation; therefore I conclude that the adjustments of the instrument are correct.

SUBDIVISION OF T 4 S R W

- Chains The magnetic bearing of the true meridian at 8 h.30 m.  
a.m.l.m.t. is N.16°30'W.; the angle thus determined gives  
the magnetic decl. 16°30'E.
- From the corner already described I run  
N.0°01'W.bet.secs.35 and 36  
Over broken stony land; along W.side of canon; through  
heavy cedar and pinon pine timber.
- 39.75 Limestone ledges bear N.2°E. and S.15°W.
- 40.00 Set a sandstone 20x8x6 ins.15 ins.in the ground for  $\frac{1}{4}$   
sec.cor., marked  $\frac{1}{4}$  on W.face; from which  
A cedar 8 ins.diam.bears S.75°W.25 lks.dist.  
marked  $\frac{1}{4}$  S 35 B T  
A cedar 5 ins.diam.bears E.1 lk.dist.marked  $\frac{1}{4}$   
S 36 B T
- 45.50 Spur projects E.; descend.
- 50.00 Ravine 100 ft.deep, course E.
- 56.00 Spur projects E.; descend.
- 60.00 Leave cedar and pinon timber bears NW. and SE.
- 61.00 Avintaquin Creek 20 lks.wide, course NE.from NW., in canon  
1500 ft.deep.  
Thence through dense willow brush.
- 80.00 Falls in creek, 1 ch.W.  
Set a limestone 18x6x6 ins.12 ins.in the ground for  
witness cor.to cor.of secs.25,26,35, and 36, marked WC  
on NE., with 1 notch on S. and E.edges; from which  
A lone cottonwood tree 5 ins.diam.bears N.25 $\frac{1}{2}$ °W.  
27 lks.dist., mkd.WC T 4 S R 8 W S 26 B T  
Raise a mound of stone 2 ft.base 1 $\frac{1}{2}$  ft.high W.of cor.  
Pits impracticable.  
Land mountainous.  
Soil stony; 4th rate.  
Timber cedar and pinon pine.  
Mountainous land, heavy timber and dense undergrowth  
80.00 chs.

## SUBDIVISION OF T.4 S.R.8 W.U.S.B.&amp; M.

## CHAINS.

- From a point 1 ch.E.of witness cor.I run  
 East on a random line betsecs.25 and 36  
 40.00 Set temp. $\frac{1}{4}$  sec.cor. . .  
 80.18 Intersect E.bdy.of Tp.9 lks.N.of the cor.of secs.25-30  
 31 and 36,which is a sandstone 12x9x6 ins.above ground,  
 firmly set and marked and witnessed as described by Dep-  
 uties Stewart and Booth under their contract No.270.  
 Thence I run  
 N.89°56'W.on a true line betsecs.25 and 36  
 Descend over broken land;through scattering cedar and pinon  
 pine timber.  
 7.00 Ravine 500 ft.deep,course N.E.;ascend.  
 26.00 Ridge bears N.and S.;descend.  
 40.09 Set a sandstone 14x10x6 ins.8 ins.in the ground,for  $\frac{1}{4}$   
 sec.cor.,marked  $\frac{1}{4}$  on N.face;raised a mound of stone 2  
 ft.base  $1\frac{1}{2}$  ft.high N.of cor.Pits impracticable.  
 51.00 Ravine 100 ft.deep,course S.W.;ascend.  
 60.00 Spur projects S.W.;descend.  
 73.00 Limestone ledges,20 ft.high bear N.and S.  
 77.00 Avintaquin Creek,20 lks.wide,in canon 1500 ft.deep,course  
 N.  
 Thence along creek  
 80.18 Point 1 ch.E.of the witness cor.of secs.25-26-35 and 36.  
 Land mountainous.  
 Soil stony;4th.rate.  
 Timber cedar and pinon pine.  
 Mountainous land 80.18 chs.

---

October 5,at this cor.I set off 4°29'S.on decl.arc;and  
 at 11 h.48 m.a.m.l.m.t.observe the sun on the meridian;  
 the resulting lat.is 40°06'N.

---

SUBDIVISION OF T.4 S.R.8 W.U.S.B.& M.

CHAIN

From a point 1 ch.E. of the witness cor.to corner for  
secs.25-26-35 and 36,I run

N.0°01'W.bet.secs.25 and 26

Along Ayintaquin Creek;through scattering cottonwood  
timber and dense willow and sage brush.

- 0.50 Leave creek,course N.W.  
2.85 Same creek,course N.E.  
6.05 Recross creek,course N.W.  
14.00 Limestone ledges,25 ft.high bear N.W.and S.E.  
20.00 Spur projects W.;descend.  
21.50 Limestone ledges 50 ft.high bear N.E.and S.W.  
26.50 Avintaquin Creek,20 lks.wide,course N.E.  
35.65 Recross creek,course N.W.  
40.00 Set a limestone 14x12x6 ins.9 ins.in the ground,for  $\frac{1}{4}$   
sec.cor.,marked  $\frac{1}{4}$  on W.face;from which  
A cottonwood tree 10 ins.diam.bears S.65°W.36 lks.  
dist.,marked  $\frac{1}{4}$  S 26 B T  
Cross on cliffs bears S,60°E.19 lks.dist.  
marked  $\frac{1}{4}$  S 25 B O  
40.60 Recross creek,course N.E. v  
43.55 Recross creek.course N.W.  
47.15 Recross creek,course E.  
49.50 Recross creek,course N.W.  
59.00 Limestone ledges,bear N.E.and S.E.  
Enter scattering cedar and pinon timber.  
80.00 Set a limestone 18x12x8 ins.12 ins.in the ground,for  
corner of secs.23-24-25 and 26,marked with 1 notch on E.  
and 2 notches on S.edges;from which  
A pinon pine 6 ins.diam.bears N.42°E.19 lks.dist.  
marked T 4 S R 8 W S 24 B T  
A cedar 24 ins.diam.bears S.40°E.80 lks.dist.  
marked T 4 S R 8 W S 25 B T  
A cedar 30 ins.diam.bears S.22°W.50 lks.dist.  
marked T 4 S R 8 W S 26 B T

## SUBDIVISION OF T. 4 S.R. 8 W. U.S.B. &amp; M.

## CHAINS.

A cedar 18 ins. diam. bears N. 32° W. 44 lks. dist.

marked T 4 S R 8 W S 23 B T

Land mountainous.

Soil stony; 4th. rate.

Timber cedar, pinon and cottonwood.

Mountainous land and dense undergrowth 80.00 chs.

---

S. 89° 56' E. on a random line bet. secs. 24 and 25

40.00 Set temp. 1 sec. cor.

79.80 Intersect E. bdy. of Tp. 5 lks. N. of the cor. of secs. 19-24-25 and 30, which is a sandstone 12x8x5 ins. above ground, firmly set and marked and witnessed as described by Deputies Stewart and Booth under their contract No. 270. Thence I run

N. 89° 54' W. on a true line bet. secs. 24 and 25

Over broken land; through scattering cedar and pinon timber.

2.50 Spur projects N.W.; ascend.

12.50 Ravine 500 ft. deep, course N.; ascend.

34.50 Ridge bears N. and S.; descend.

39.90 Set a sandstone 12x10x10 ins. 8 ins. in the ground, for  $\frac{1}{2}$  sec. cor., marked  $\frac{1}{2}$  on N. face; raised a mound of stone 2 ft. base 1 $\frac{1}{2}$  ft. high N. of cor. Pits impracticable.

70.50 Limestone ledges 250 ft. high bear N. and S.

79.80 The cor. of secs. 23-24-25 and 26.

Land mountainous.

Soil stony; 4th. rate.

Timber cedar and pinon pine.

Mountainous land 79.80 chs.

October 5, 1903.

---

October 6, at 7 h. a.m. I set off 40° 07' N. on lat. arc; 4° 44' S. on decl. arc; and determine a true meridian with the solar at the cor. of secs. 23-24-25 and 26.

SUBDIVISION OF T. 4 S.R.8 W.U.S.B.& M.

CHAINs. Thence I run  
N.0°01'W.bet.secs.23 and 24  
Over stony land; along bottom.  
Through dense willow and sage brush.  
Avintaquin Creek, 20 lks.wide, course N.W.  
40.00 Set a sandstone 18x6x5 ins.12 ins.in the ground,for  $\frac{1}{4}$  sec.cor.,marked  $\frac{1}{4}$  on W.face;dig pits 18x18x12 ins.N.and S.of stone 3 ft.dist.;and raise a mound of earth  $3\frac{1}{2}$  ft. base  $1\frac{1}{2}$  ft.high W.of cor.  
67.00 Leave dense undergrowth;enter scattering cedar and pinon pine bears N.E.and S.W.  
76.50 Leave timber;enter dense undergrowth of willow and cottonwood brush,bears N.E.and S.W.Spur projects N.E.  
80.00 Set a sandstone 20x18x10 ins.15 ins.in the ground,for cor.of secs.13-14-23 and 24,marked with 1 notch on E.and 3 notches on S.edges;from which  
A cottonwood tree 6 ins.diam.bears N.15°E.13 lks.  
dist.,marked T 4 S R 8 W S 13 B T  
A cottonwood 6 ins.diam.bears N.35°W.51 lks.dist.  
marked T 4 S R 8 W S 14 B T  
No other bearing trees within limits;raise a mound of stone 2 ft.base  $1\frac{1}{2}$  ft.high W.of cor.  
Pits impracticable.  
Land broken.  
Soil stony;3rd.rate.  
Timber cedar,pinon pine and cottonwood.  
Dense undergrowth 80.00 chs.

---

40.00 S.89°54'E.on a random line bet.secs.13 and 24  
Set temp. $\frac{1}{4}$  sec.cor!  
79.78 Intersect E.bdy.of Tp.10 lks.N.of the cor.of secs.13-18,19, and 24,,which is a sandstone 10x6x5 ins.above ground,firmlly set and marked and witnessed as described by Deputies Stewart and Booth under their contract No.

## SUBDIVISION OF T.4 S.R.8 W.U.S.B. &amp; M.

CHAINS.	370.
	Thence I run
	N. $89^{\circ}50'W.$ on a true line bet. secs. 13 and 24
	Along bottom land.
	Through dense willow and birch brush.
3.50	Strawberry River, 50 lks. wide, course N.
25.00	Recross Strawberry River, course S.
39.89	Set a limestone 18x14x8 ins. 12 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked $\frac{1}{2}$ on N. face; raised a mound of stone 2 ft. base 1 $\frac{1}{2}$ ft. high N. of cor. Pits impracticable.
43.00	Spur projects N.W.;
	Descend.
60.00	Strawberry River, 50 lks. wide, course N.E.
70.00	Recross river, course S.E.
75.00	Flat spur projects N.; descend.
79.78	The cor. of secs. 13-14-23 and 24.
	Land nearly level.
	Soil stony and leam; 1st and 4th rate.
	No timber.
	Dense undergrowth 79.78 chs.
	Oct. 6, at this cor. I set off $4^{\circ}52'S.$ on decl. arc; and at 11 h. 48 m.a.m.l.n.t. observe the sun on the meridian; the resulting lat. is $40^{\circ}08'N.$
	-----
	N. $0^{\circ}01'W.$ bet. secs. 13 and 14
	Along bottom; through dense willow and cottonwood brush.
3.65	Strawberry River, 60 lks. wide, in canon 1500 ft. deep, course E.
12.00	Leave brush, bears E. and W.
	Ascend over broken land.
12.50	Limestone ledges and cliffs, 600 ft. high, bear E. and W.
	Enter heavy cedar and pinon pine timber.
20.50	Spur ridge, projects SE.
	Descend.

SUBDIVISION OF T. 4 S. R. 8 W. U. S. B. & N.

CHAINS.

- 52.00 Broken ledges and cliffs, 500 ft. high; leave timber bears N.W. and S.E.
- 59.80 Red Creek, 20 lks. wide, in canon 1000 ft. deep, course S.E.
- 60.00 On top of cliff's 500 ft. high, bears N.W. and S.E.  
Set a sandstone 20x8x4 ins. 15 ins. in the ground, for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{2}$  on W. face; and raised a mound of stone 2 ft. base  $1\frac{1}{2}$  ft. high W. of cor. Pits impracticable.
- 45.00 Enter heavy cedar and pinon pine timber, bears E. and W.
- 78.00 Spur projects W.; descend.
- 80.00 Set a limestone 14x10x6 ins. 9 ins. in the ground, for cor. of secs. 11-12-13 and 14, marked with 1 notch on E. and 4 notches on S. edges; from which  
A cedar 8 ins. diam. bears S.  $65^{\circ}$  E. 11 lks. dist.  
marked T 4 S R 8 W S 13 B T  
A pinon pine 10 ins. diam. bears N.  $35^{\circ}$  E. 19 lks. dist.  
marked T 4 S R 8 W S 12 B T  
A pinon pine 14 ins. diam. bears S.  $41^{\circ}$  W. 39 lks. dist.  
marked T 4 S R 8 W S 14 B T  
A pinon pine 14 ins. diam. bears N.  $60^{\circ}$  W. 22 lks. dist.  
marked T 4 S R 8 W S 11 B T
- Land mountainous.
- Soil stony; 4th. rate.
- Timber cedar and pinon.
- Mountainous land and heavy timber 80.00 chs.

---

S.  $89^{\circ}50'N$ . on a random line bet. secs. 12 and 13

- 45.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 79.00 Intersect E. bdy. of Tp. J2 lks. S. of the cor. of secs. 7-12-13 and 18, which is a sandstone 10x8x6 ins. above ground, firmly set and marked and witnessed as described by Deputies Stewart and Reeth, under their contract No. 270. Thence I run N.  $85^{\circ}55'W$ . on a true line bet. secs. 12 and 13 over broken, stony land.
- Through heavy cedar and pinon pine timber.

SUBDIVISION OF T.4 S.R.8 W.U.S.B.& M.

CHAINS.	
39.95	Set a sandstone 20x14x5 ins.15 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;from which A pinon pine 18 ins.diam.bears N.21°W.7 lks.dist. marked $\frac{1}{4}$ S 12 B T A cedar 10 ins.diam.bears S.59°E.45 lks.dist. marked $\frac{1}{4}$ S 13 B T
45.50	Spur ridge,projects S.W. Thence along N.side of ridge.
79.90	The cor.of secs.11-12-13 and 14. Land mountainous. Soil stony;4'h.rate. Timber cedar and pinon. Mountainous land covered with heavy timber 79.90 chs.

October 6, 1903.

---

Oct. 7, at 7 h.a.m.l.m.t. I set off 40°09'N.on lat.arc; 5° 07'S.on decl.arc; and determine a meridian with the solar., at the cor.of secs.11, 12, 13, and 14. Thence I run N.0°01'W.betsecs.11 and 12

Descend through heavy cedar and pinon timber; over broken, stony land.

10.00	Ravine 200 ft.deep, course W.; Ascend.
20.25	Spur projects W.;descend.
38.00	Ravine 150 ft.deep, coarse W.;ascend.
40.00	Set a sandstone 16x10x4 ins.11 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.face;from which A cedar 12 ins.diam.bears N.81°E.25 lks.dist. marked $\frac{1}{4}$ S 12 B T A cedar 9 ins.diam.bears S.55°W.12 lks.dist. marked $\frac{1}{4}$ S 11 BT
43.00	Spur projects W.;descend.
47.00	Ravine 400 ft.deep, course W.;ascend.
69.75	Spur projects W.;descend.

SUBDIVISION OF T.4 S.R.8 W.U.S.B.& M.

CHAINS.

- 80.00 Set a sandstone 16x8x6 ins.11 ins.in the ground,for cor.of secs.1-2-11 and 12,marked with 1 notch on E.and 5 notches on S.edges;from which  
A pinon pine 12 ins.diam.bears S.76°E.29 lks.dist.  
marked T 4 S R 8 W S 12 B T  
A pinon pine 12 ins.diam.bears N.85°E.25 lks.dist.  
marked T 4 S R 8 W S 1 B T  
A pinon pine .12 ins.diam.bears S.20°W.12 lks.dist.  
marked T 4 S R 8 W S 11 B T  
A pinon pine 7 ins.diam.bears N.15°W.30 lks.dist.  
marked T 4 S R 8 W S 2 B T.  
Land mountainous.  
Soil stony;4th.rate.  
Timber cedar and pinon pine.  
Mountainous land,covered with heavy timber 80.00 chs.

- 
- S.89°55'E.on a random line betsecs.1 and 12
- 40.00 Set temp. $\frac{1}{4}$  sec.cor.
- 79.96 Intersect E.bdy.of Tp.7 lks.S.of the cor.of secs.1-6-7 and 12,which is a sandstone 12x6x6 ins.above ground,firmly set and marked and witnessed as described by Deputies Stewart and Booth,under their contract No.270. Thence I run  
N.89°58'W.on a true line betsecs.1 and 12 Over broken mountainous land;through heavy cedar and pinon pine timber.
- 39.98 Set a sandstone 15x10x6 ins.10 ins.in the ground,for  $\frac{1}{4}$  sec.cor.,marked  $\frac{1}{2}$  on N.face;from which  
A pinon pine 4 ins.diam.bears N.16 lks.dist.  
marked  $\frac{1}{2}$  S 1 B T  
A pinon pine 5 ins.diam.bears S.11°W.21 lks.dist.  
marked  $\frac{1}{2}$  S 12 B T
- 48.00 Spur ridge bears S.70°W.and N.70°E.;descend. Thence along N.slope of ridge.

## SUBDIVISION OF T.4 S.R.E W.U.S.B.&amp; M.

CHAINS

79.96

The cor.of secs.1-2-11 and 12.

Land mountainous.

Soil stony;4th.rate.

Timber cedar and piñon pine.

Mountainous land covered with heavy timber 79.96 chs.

October 7, 1903.

October 10, 1903,

N.0°01'W.on a random line bet.secs.

1 and 2

40.00

Set temp. $\frac{1}{4}$  sec.cor.

79.90

Intersect N.bdy.of Tp.3 lks.W.of the cor.of secs.1-2-35  
and 36, heretofore described.

Thence I run

South on a true line bet.secs.1 and 2

Ascend over broken mountainous land;through heavy cedar  
and piñon timber.

11.00

Ridge 200 ft.above sec.cor.,bears E.and W.;

Descend.

28.00

Ravine 500 ft.deep, course SW.;ascend.

38.00

Spur projects W.;descend.

39.90

Set a sandstone 16x10x4 ins.'l ins.in the ground,for  $\frac{1}{4}$   
sec.cor.,marked  $\frac{1}{4}$  on W.face;from which

A cedar 12 ins.diam.bears N.61°E.35 lks.dist.

marked  $\frac{1}{4}$  S 1 B T

A piñon pine 14 ins.diam.bears S.71°W.24 lks.dist.

marked  $\frac{1}{4}$  S 2 B T

41.00

Ravine 500 ft.deep, course S.70°W.;ascend.

59.00

Spur projects W.;descend.

78.00

Ravine 600 ft.deep, course S.80°W.;ascend.

79.90

The cor.of secs.1-2-11 and 12..

Land mountainous.

Soil stony;3rd.and 4th.rate.

SUBDIVISION OF T.4 S.R.8 W.U.S.B.& M.

CHAINS.

Timber cedar and pinon pine.

Mountainous land, covered with heavy timber 79.90 chs.

October 10 1903.

October 8, 1903, at 7 h.a.m.l.m.t. I set off  $40^{\circ}05\frac{1}{2}'$  N. on lat. arc;  $5^{\circ}30'$  S. on decl. arc; and determine a true meridian with the solar at the point, for standard cor. of secs. 34 and 35 on S. bdy. of Tp., previously described.

Thence I run

N.  $0^{\circ}02'$  W. bet. secs. 34 and 35

Ascend over broken mountainous land; through heavy cedar and pinon timber.

14.50 Ridge bears E. and W.;

Descend through scattering cedar and pinon pine timber.

40.00 Set a sandstone 16x19x6 ins. 11 ins. in the ground, for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{2}$  on W. face; and raised a mound of stone 2 ft. base  $1\frac{1}{2}$  ft. high W. of cor.

Pits impracticable.

52.00 Ravine 500 ft. deep, course E.; ascend through heavy cedar and pinon pine timber, bears E. and W.

80.00 Set a limestone 18x10x4 ins. 12 ins. in the ground, for cor. of secs. 26-27-34 and 35, marked with 2 notches on E. and 1 notch on S. edges; from which

A pinon pine 18 ins. diam. bears N.  $74^{\circ}$  E. 15 lks. dist.

marked T 4 S R 8 W S 26 B T

A pinon pine 14 ins. diam. bears S.  $55\frac{1}{2}^{\circ}$  E. 17 lks. dist.

marked T 4 S R 8 W S 35 B T

A pinon pine 14 ins. diam. bears S.  $73\frac{1}{2}^{\circ}$  W. 33 lks. dist.

marked T 4 S R 8 W S 34 B T

A cedar 20 ins. diam. bears N.  $51\frac{1}{2}^{\circ}$  W. 35 lks. dist.

marked T 4 S R 8 W S 27 B T

Land mountainous.

Soil stony; 4th. rate.

Timber cedar and pinon pine.

## SUBDIVISION OF T.4 S.R.8 W.U.S.B.&amp; M.

## CHAINS.

Mountainous land and heavily timbered 80.00 chs.

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East on a random line bet. secs. 26 and 35

40.00 Set temp.  $\frac{1}{2}$  sec.cor.

80.00 Intersect point 1 ch.E. of witness cor.to cor. secs. 25-26  
35 and 36. Thence I run

West on a true line bet. secs. 26 and 35

Along creek.

.90 Leave creek, course N.

1.00 Witness cor.

Ascend over broken land.

4.00 Top of broken limestone ledges bear N. and S.

Enter heavy cedar and pinon pine timber.

40.00 Set a limestone 15x10x6 ins. 10 ins. in the ground, for  $\frac{1}{2}$   
sec.cor., marked  $\frac{1}{2}$  on N. face; from which

A pinon pine 20 ins. diam. bears N. 26°W. 43 lks. dist.

marked  $\frac{1}{2}$  S 26 B T

A pinon pine 6 ins. diam. bears S. 33 $\frac{1}{2}$ °W. 9 lks. dist.

marked  $\frac{1}{2}$  S 35 B T

63.00 Spur ridge, projects S.E.

Descend.

69.00 Hollow course S.; ascend.

75.00 Spur projects S.; descend.

80.00 In hollow course S. 10°E.

The cor. of secs. 26-27-34 and 35.

Land mountainous.

Soil stony; 4th. rate.

Timber cedar and pinon pine.

Mountainous land covered with heavy timber 80.00 chs.

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N. 0°02' W. bet. secs. 26 and 27

Ascend over broken mountainous land; through heavy cedar  
and pinon pine timber.

SUBDIVISION OF T.4 S.R.8 W.U.S.B.& M.

- CHAINS
- 4.65 Spur ridge, projects E.  
Descend.
- 15.20 Ravine 300 ft. deep, course N.65°E.  
Ascend.
- 30.00 Ridge bears N.70°E. and S.70°W.  
Descend.
- 38.00 Ravine 400 ft. deep, course N.70°E.; ascend.  
Set a limestone 14x12x8 ins. 9 ins. in the ground, for  $\frac{1}{4}$   
sec.cor., marked  $\frac{1}{4}$  on W. face; from which  
A pinon pine 14 ins. diam. bears N.40°E. 18 lks. dist.  
marked  $\frac{1}{4}$  S 26 B T  
A pinon pine tree 12 ins. diam. bears N.82°W. 25 lks.  
dist., marked  $\frac{1}{2}$  S 27 B T
- 50.00 Spur projects E.; descend.
- 53.00 Ravine 300 ft. deep, course N.E.; ascend.
- 79.50 Ridge bears N.E. and S.W.; descend.
- 80.00 Set a limestone 14x8x5 ins. 9 ins. in the ground, for  
cor. of secs. 22-23-26 and 27, marked with 2 notches on S.  
and E. edges; from which  
A pinon pine tree 14 ins. diam. bears N.63°E. 46 lks.  
dist., marked T 4 S R 8 W S 23 B T  
A pinon pine 12 ins. diam. bears S.9°E. 36 lks. dist.  
marked T 4 S R 8 W S 26 B T  
A pinon pine 12 ins. diam. bears S.43 $\frac{1}{2}$ °W. 43 lks. dist.  
marked T 4 S R 8 W S 27 B T  
A pinon pine 8 ins. diam. bears N.W. 75 lks. dist.  
marked T 4 S R 8 W S 22 B T
- Land mountainous.  
Soil stony; 4th. rate.  
Timber cedar and pinon pine.  
Mountainous land covered with heavy timber 80.00 chs.  
Oct. , at this cor. I set off 5°32' S. on decl. arc, and at  
11 h.48 m.a.m.l.m.t. observe the sun on the meridian; the  
resulting lat. is 40°07' N.

## SUBDIVISION T 4 S.R.8 W.U.S.Y.B.&amp; M.

- CHAINS.** East on a random line bet. secs. 23 and 26  
**40.00** Set temp.  $\frac{1}{4}$  sec.cor.  
**80.18** Intersect N. and S. line 7 lks. N. of the cor. of secs. 23-24-  
 25 and 26. Thence I run N.  $89^{\circ}57'W.$  on a true line bet. secs. 23 and 26  
 In bottom.  
**2.75** Avint Aquin Creek, 20 lks. wide, course N.  
 Ascend over broken mountainous land.  
**5.00** Enter heavy cedar and pinon pine timber bears N. and S.  
**40.09** 500 ft. above creek.  
 Set a sandstone 15x12x8 ins. 10 ins. in the ground, for  $\frac{1}{4}$   
 sec.cor., marked  $\frac{1}{4}$  on W. face; from which  
 A pinon pine tree 3 ins. diam. bears N. 16 lks. dist.  
 marked  $\frac{1}{4}$  S 23 B T  
 A pinon pine tree 3 ins. diam. bears S. 16°W. 11 lks.  
 dist., marked  $\frac{1}{4}$  S 26 B T  
**79.00** Ridge 700 ft. above  $\frac{1}{4}$  sec.cor., bears N.E. and S.W.  
 Descend.  
**80.18** The cor. of secs. 22-23-26 and 27.  
 Land mountainous.  
 Soil stony; 4th. rate.  
 Timber cedar and pinon pine.  
 Mountainous land covered with heavy timber 80.18 chs.

- N.  $0^{\circ}02'W.$  bet. secs. 22 and 23  
 Descend over broken mountainous land; through heavy cedar  
 and pinon timber.  
**40.00** 600 ft. below sec.cor.  
 Set a limestone 15x8x5 ins. 10 ins. in the ground, for  $\frac{1}{4}$   
 sec.cor., marked  $\frac{1}{4}$  on W. face; from which  
 A pinon pine 10 ins. diam. bears S.  $67^{\circ}E.$  14 lks. dist.  
 marked  $\frac{1}{4}$  S 23 B T  
 A pinon pine 10 ins. diam. bears S.  $86^{\circ}E.$  17 lks. dist.  
 marked  $\frac{1}{4}$  S 22 B T

## SUBDIVISION OF T.4 S.R.8 W.U:S.B.&amp; M.

- CHAI S.  
 57.75 Ravine 150 ft. deep, course N.E.  
 Ascend.  
 65.25 Ridge bears E. and W.; descend.  
 71.90 Limestone cliffs 400 ft. high bear E. and W.; leave timber,  
 bears E. and W.  
 75.00 Enter bottom, and dense willow and birch brush.  
 78.00 Strawberry River, 75 lks. wide, course N.  $80^{\circ}$  E., in canon 1500  
 ft. deep,  
 80.00 Set a sandstone 18x12x8 ins. 12 ins. in the ground, for  
 cor. of secs. 14-15-22 and 23, marked with 2 notches on E.  
 and 3 notches on S. edges; from which  
 A cottonwood tree 4 ins. diam. bears N.  $35\frac{1}{2}^{\circ}$  E. 38 lks.  
 dist., marked T 4 S R 8 W S 14 B T  
 A cottonwood 14 ins. diam. bears N.  $48\frac{1}{2}^{\circ}$  W. 115 lks. dist.  
 marked T 4 S R 8 W S 15 B T  
 No other bearing trees within limits; raise a mound of  
 stone 3 ft. base 1 $\frac{1}{2}$  ft. high W. of cor. Pits impracticable.  
 Land mountainous.  
 Soil stony; 3rd and 4th rate.  
 Timber cedar and pinon pine.  
 Mountainous land, heavy timber, and dense undergrowth  
 80.00 chs.

October 8, 1903.

October 9, at 7 h.a.m.l.m.t. I set off  $40^{\circ}08'$  N. on lat.  
 arc;  $5^{\circ}53'$  S. on decl. arc, and determine a true meridian  
 with the solar at the cor. of secs. 14-15-22 and 23;  
 Thence I run

- S.  $89^{\circ}57'$  E. on a random line bet. secs. 14 and 23  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 80.22 Intersect N. and S. line 16 lks. S. of the cor. of secs. 13,  
 14-23 and 24, Thence I run  
 S.  $89^{\circ}56'$  W. on a true line bet. secs. 14 and 23  
 Along bottom; through dense willow and birch brush.

## SUBDIVISION OF T.4 S.R.8 W.U.S.B.&amp; M.

CHAINS.

7.00 Strawberry River, 75 lks. wide, course N.E.

18.00 Recross river, course S.E.

28.00 Limestone ledges, 250 ft. high, bear N.W. and S.E.

40.11 On spur, projects N.

Set a sandstone 15x9x8 ins. 10 ins. in the ground, for  $\frac{1}{4}$  sec.cor., marked  $\frac{1}{4}$  on N.face; and raised a mound of stone 2 ft. base  $1\frac{1}{2}$  ft. high N.of cor. Pits impracticable.

44.00 Cliffs 350 ft. high, bear N.E. and S.W.

Descend over broken land.

63.00 Enter bottom and dense willow and birch brush, bears N.E. and S.W.

77.00 Strawberry River, 75 lks. wide, course N. 80° E!

80.22 The cor. of secs. 14-15-22 and 23.

Land mountainous; and nearly level

Soil stony; 3rd cut. 4th rate.

No timber.

Mountainous land and dense undergrowth 80.22 chs.

## N. 90° W. et. secs. 14 and 15

In Strawberry River bottom, through dense willow and birch brush.

9.00 Leave bottom, move ... and W.

Asc end over broken land.

28.00 Top of limestone ledges, 500 ft. high bear N. and W.

Enter scattering cedar and pinon pine timber.

40.00 Set a sandstone 16x8x6 in. 11 ins. in the ground, for  $\frac{1}{4}$  sec.cor., marked  $\frac{1}{4}$  on W.face; and raise a mound of stone 2 ft. base  $1\frac{1}{2}$  ft. high W.of cor. Pits impracticable.

63.50 Leave timber bears N. and W.

71.00 Enter timber bears N. and W.

80.00 600 ft. above  $\frac{1}{4}$  sec.cor.

Set a limestone 14x12x8 ins. 9 ins. in the ground, for cor. of secs. 10-11-14 and 15, marked with 3 notches on E. and 4 notches on S.edges; from which

SUBDIVISION OF T.4 S.R.8 W.U.S.B.& M.

CHAINS.

A pinon pine 15 ins.diam.bears N. $17^{\circ}$ E.27 lks.dist.

marked T 4 S R 8 W S 11 B T

A pinon pine 2 ins.diam.bears S.E.33 lks.dist.

marked T 4 S R 8 W S 14 B T

A pin 8 ins.diam.bears S. $7^{\circ}$ W. 61 lks.dist.,

marked T 4 S R 8 W S 15 B T

A pinon pine 12 ins.diam.bears N. $35^{\circ}$ W.21 lks.dist.

marked T 4 S R 8 W S 10 B T

Land mountainous.

Soil stony; 4th.rate.

Timber cedar and pinon pine.

Mountainous land covered with heavy timber 80.00 chs.

Oct. 9, at this cor. I set off  $6^{\circ}01' S.$  on decl.arc; and at 11 h.48 m.a.n.l.m.t. observe the sun on the meridian; the resulting lat. is  $40^{\circ}09' N.$

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N. $89^{\circ}56' E.$  on a random line bet.secs.11 and 14

40.00 Set temp.  $\frac{1}{4}$  sec.cor.

80.14 Intersect N.and S.line 3 lks.N.of the cor.of secs.11-12-13 and 14, Thence I run

S. $89^{\circ}57' W.$  on a true line bet.secs.11 and 14  
Over broken mountainous land; through heavy cedar and pi -  
on pine timber.

7.00 Spur projects N.W.; descend.

28.50 Limestone ledges 100 ft. high bear N.and S.

29.50 Red Creek, 30 lks.wide, in canon 1000 ft.deep, course S.

Ascend.

Over broken ledges.

40.07 Set a sandstone 16x18x10 ins.11 ins.in the ground, for  
 $\frac{1}{4}$  sec.cor., marked  $\frac{1}{4}$  on N.face; from which

A pinon pine 13 ins.diam.bears N. $25^{\circ}$ E.11 lks.dist.

marked  $\frac{1}{4}$  S 11 B T

A pinon pine 18 ins.diam.bears S. $37^{\circ}$ E.34 lks.dist.

marked  $\frac{1}{4}$  S 14 B T

## SUBDIVISION OF T.4 S.R.8 W.U.S.E.&amp; M.

CHAINS	
77.50	Ridge, 500 ft. above $\frac{1}{2}$ sec.cor., bears N.W. and S.E. Descend.
80.14	The cor.of secs.10-11-14 and 15. Land mountainous. Soil stony;4th.rate: Timber cedar and pinon pine. Mountainous land and heavily timbered 80.14 chs.
	N.0°02'W.betsecs.10 and 11
	Ascending through heavy cedar and pinon timber. Over mountainous land.
8.00	Ridge bears N.W. and S.E.;descend Over broken land.
12.00	Hollow course E.;ascend.
17.00	Spur projects E.;
	Descend through scattering cedar and pinon pine timber.
38.50	Ravine 500 ft.deep,course E.;ascend.
40.00	Set a limestone 20x14x8 ins.15 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.face;and raised a mound of stone 2 ft.base $1\frac{1}{2}$ ft.high W.of cor.Pits impracticable.
61.50	Spur projects E.; Enter heavy cedar and pinon timber,bears E.and W. Descend.
65.00	Ravine 200 ft.deep,course E.;ascend.
76.00	Spur projects N.;descend.
80.00	Set a limestone 15x12x6 ins.10 ins.in the ground,for cor.of secs.2-3-10 and 11,marked with 2 notches on N.and 5 notches on S.edges;from which A pinon pine 8 ins.diam.bears N.77°E.76 lks.dist. marked T 4 S R 8 W S 2 B T A pinon pine 10 ins.diam.bears S.15°E.243 lks.dist. marked T 4 S R 8 W S 11 B T A pinon pine 12 ins.diam.bears S.65°W.26 lks.dist. marked T 4 S R 8 W S 10 B T

## SUBDIVISION OF T.4 S R 8 W U.S.B.&amp; M.

CHAINS.

A pinon pine 12 ins.diam.bears N. $52\frac{1}{2}$ °W.51.1ks.dist.

marked T 4 S R 8 W S 3 B T

Land mountainous.

Soil stony;4th.rate.

Timber cedar and pinon pine.

Mountainous land and heavily timbered 80.00 chs.

October 9,1903.

October 10,at 7 h.a.m.l.m.t.I set off  $40^{\circ}10'$ N.on lat.arc; $6^{\circ}16'$ S.on decl.arc;and determine a true meridian  
with the solar at the cor.of secs.2-3-10 and 11.

Thence I run

N. $89^{\circ}57'$ E.on a random line bet.secs.2 and 1140.00 Set temp. $\frac{1}{4}$  sec.cor.80.14 Intersect N.and S.line 3 lks.N.of the cor.of secs.1-2  
11 and 12.Thence I runS. $89^{\circ}58'$ W.on a true line bet.secs.2 and 11Descend over mountainous land;through heavy cedar and  
pinon timber.29.00 Ravine 500 ft.deep,course S. $80^{\circ}$ W.

Ascend.

35.00 Spur projects S.W.;descend.

Leave cedar and pinon pine timber,bears N.and S.

40.07 Set a sandstone 16x10x6 ins.ll ins.in the ground,for  $\frac{1}{4}$   
sec.cor.,marked  $\frac{1}{2}$  on N.face;and raise a mound of stone  
2 ft.base  $1\frac{1}{2}$  ft.high N.of cor.Pits impracticable.

Thence through dense artemisia.

49.65 Red Creek,25 lks.wide,course S.,450 ft.below sec.cor.

Thence along nearly level bottom.

71.50 Enter scattering cedar and pinon pine timber,bears N.  
and S.

80.14 The cor.of secs.2-3-10 and 11.

Land mountainous.

Soil stony;4th.rate.

## SUBDIVISION OF T.4 S.R.8 W.U.S.B.&amp; M.

## CHAINS

Timber cedar and pinon pine.

Mountainous land, heavy timber and dense undergrowth 80.14 chs.

N. $0^{\circ}02'$ W.on random line bet.secs.2 and 3

79.90 Intersect N.bdy.of Tp.5 lks.E.of the cor.of secs.2-3-34 and 35, heretofore described. Thence I run

S. $0^{\circ}04'$ E.on a true line bet.secs.2 and 3

Descend through dense sagebrush; over stony land.

5.50 Ravine 250 ft.deep, course S.E.

Ascend.

39.90 Set a sandstone 18x18x8 ins.12 ins.in the ground, for  $\frac{1}{4}$  sec.cor., marked  $\frac{1}{4}$  on W.face; raised a mound of stone 2 ft.base  $1\frac{1}{2}$  ft.high W.of cor.Pits impracticable.

51.00 Ravine 150 ft.deep, course E.;ascend.

67.00 Spur projects E.;descend.

75.80 Ravine 300 ft.deep, course E.;ascend.

79.90 Edge of timber,

The cor.of secs.2-3-10 and 11.

Land mountainous.

Soil stony;4th.rate.

No timber.

Mountainous land covered with dense undergrowth 79.90 chs.

Oct.10, at this cor.I set off  $6^{\circ}24'S.$  on decl.arc; and at 11 h.47 m.a.m.l.m.t.observe the sun on the meridian; the resulting lat.is  $40^{\circ}10'N.$

October 11, at 7 h.a.m.l.m.t.I set off  $40^{\circ}5\frac{1}{2}'N.$  on 1st. arc; $6^{\circ}38'S.$  on decl.arc; and determine a true meridian with the solar at the standard cor.of secs.33 and 34, on S.bdy.of Tp., heretofore described.

Thence I run

SUBDIVISION OF T.4 S R 8 W U S &

- CHAINS. N.0°02'W.bet.secs.33 and 34  
Ascend through heavy cedar and pinon pine timber; over broken land.
- 27.00 Ridge bears N.E. and S.W.  
Leave cedar and pinon pine timber bears E. and W.  
Descend.
- 36.00 Hollow course N.E.
- 40.00 1000 ft. above sec.cor., on top of mountain, ridge bears N.E. and S.W.  
Set a shale rock 15x10x6 ins. 10 ins. in the ground, for  $\frac{1}{4}$  sec.cor., marked on W.face; and raised a mound of stone 2 ft. base  $1\frac{1}{2}$  ft. high W.of cor. Pits impracticable.  
Descend.
- 80.00 Set a shale rock, 18x10x8 ins. 12 ins. in the ground, for cor.of secs. 27-28-33 and 34, marked with 3 notches on E. and 1 notch on S.edges; from which  
A lone pine 8 ins. diam. bears N.71°E. 115.1ks. dist.  
marked T 4 S R 8 W S 27 B T  
Raise a mound of stone 2 ft. base  $1\frac{1}{2}$  ft. high W.of cor.  
Pits impracticable.  
Land mountainous.  
Soil stony; 3rd.rate.  
Timber cedar and pinon pine.  
Mountainous land and heavy timber 80.00 chs.
- 
- East on a random line bet.secs. 27 and 34
- 40.00 Set temp.  $\frac{1}{4}$  sec.cor.
- 80.16 Intersect N.and S.line 7 lks. N.of the cor.of secs. 26-27  
34 and 35, Thence I run  
N.89°57'W.on a true line bet.secs. 27 and 34  
Over broken land; through heavy cedar and pinon pine timber.
- 21.00 Spur ridge projects N.80°E.
- 35.00 Recross spur ridge, projects S.E., 800 ft. above sec.cor.

## SUBDIVISION OF T. 4 S.R. 8 W.U.S.B. &amp; M.

**CHAINS.**

Leave timber bears N. and S. 500 ft.

40.08 In head of ravine course S.E. set a shale rock 20x12x5 ins. 15 ins. in the ground, for sec.cor., marked  $\frac{1}{4}$  on N.face; from which A pinon pine 10 ins. diam. bears S.  $80^{\circ}$  E. 210 lks.dist. marked  $\frac{1}{4}$  S 34 B T

A pinon pine 10 ins. diam. bears N.  $10^{\circ}$  E. 277 lks.dist. marked  $\frac{1}{4}$  S 27 B T

51.00 Top of mountain, ridge bears N.E. and S.W.

Descend.

78.00 Ravine 500 ft. below ridge, course N.W.;

Ascend.

80.16 On spur, projects N.W.;

The cor.of secs. 27-28-33 and 34.

Land mountainous.

Soil stony; 3rd rate.

Timber cedar and pinon pine.

Mountainous land and heavily timbered. 80.16 mchs.

N.  $0^{\circ}02'$  W. bet. secs. 27 and 28

Descending over stony, mountainous land.

2.00 Mouth of ravine, 100 ft. below cor., course N.W.

Ascend.

4.00 Foot of spur, projects W.

Descending along canon,

40.00 Set a sandstone 16x15x4 ins. 11 ins. in the ground, for sec.cor., marked  $\frac{1}{4}$  on W.face; and raised a mound of stone 2 ft. base 1 $\frac{1}{2}$  ft. high W.of cor.

Pits impracticable.

42.00 Bottom of canon 900 ft. deep, course N.  $15^{\circ}$  E.

Ascend along W.side of canon.

48.00 Enter heavy cedar and pinon pine timber, bears N.E. and S.W.

Spur projects E.; descend.

## SUBDIVISION OF T.4 S.R.8 W.U.S.B.&amp; M.

CHAINS.

80.00 Set a sandstone 16x12x4 ins.11 inc.in the ground,for cor.of secs.21-22-27 and 28,marked with 3 notches on E. and 2 notches on S.edges;from which

A pine 12 ins.diam.bears N.71°E.20 lks.dist.

marked T 4 S R 8 W S 22 B T

A cedar 14 ins.diam.bears S.57°E.4 lks.dist.

marked T 4 S R 8 W S 27 B T

A cedar 10 ins.diam.bears S.70°W.52 lks.dist.

marked T 4 S R 8 W S 28 B T

A pine 24 ins.diam.bears N.52°W.41 lks.dist.

marked T 4 S R 8 W S 21 B T.

Land mountainous.

Soil stony;2nd and 3rd rate.

Timber cedar and pine.

Mountainous land,heavily timbered,80.00 chs.

October 11,at this cor.I set off 6°47'S.on decl.arc;and at 11 h.47m.a.m.l.m.t.observe the sun on the meridian;the resulting lat.is 40°07'N.

S.89°57'E.on a random line betsecs.22 and 27

40.00 Set temp. $\frac{1}{4}$  sec.cor.

80.18 Intersect N.and S.line 5 lks.N.of the cor.of secs.22-23-26 and 27.Thence I run.

N.89°55'W.on a true line betsecs.22 and 27

Descending through heavy cedar,pinon and pine timber.

30.00 Ravine 500 ft.deep,course N.E.;ascend..

40.09 Set a sandstone 15x10x9 ins.10 ins.in the ground,for  $\frac{1}{4}$  sec.cor.,marked  $\frac{1}{4}$  on N.face;from which

A pinon pine 3 ins.diam.bears N.17 lks.dist.

marked  $\frac{1}{4}$  S 22 B T

A pinon pine 4 ins.diam.bears S.11°E.21 lks.dist.

marked  $\frac{1}{4}$  S 27 B T

45.50 Ridge bears N.and S.;descend..

## SUBDIVISION OF T.4 S.R.8 W.U.S.B.&amp; M.

## CHAINS

- 73.00 Canon 900 ft. deep, course N.; ascend.  
 80.18 The cor. of secs. 21-22-27 and 28.  
 Land mountainous.  
 Soil stony; 4th rate.  
 Timber cedar, pinon, and pine.  
 Mountainous land covered with heavy timber 80.18 chs.
- 

## N.0°02' W. bet. secs. 21 and 22

- Descend over stony land; through heavy cedar and pinon pine timber.  
 5.00 Hollow 200 ft. below cor., course E.;  
 Ascend over broken limestone ledges.  
 11.00 Spur projects E.;  
 Leave timber bears E. and W.; descend.  
 40.00 Falls on slide,  $\frac{1}{4}$  sec. cor. not set.  
 49.00 Canon 1000 ft. deep, course N.W.; ascend.  
 56.00 Spur projects W.; descend.  
 60.00 In bottom,  
 Set a shale stone 20x14x4 ins., for witness to  $\frac{1}{4}$  sec. cor.  
 marked W C  $\frac{1}{4}$  on W. face; and raised a mound of stone 2  
 atf. base  $1\frac{1}{2}$  ft. high W. of cor. Pits impracticable.  
 70.00 Strawberry River, 30 lks. wide, in canon 1500 ft. deep, course  
 N.E.;  
 Ascend over broken ledges and slide rock; through heavy  
 cedar and pinon pine timber.  
 79.70 Ledges bear E. and W.  
 80.00 Set a sandstone 20x12x12 ins. 15 ins. in the ground, for  
 cor. of secs. 15-16-21 and 22, marked with 3 notches on S.  
 and E edges; from which  
 A pinon pine 6 ins. diam. bears N.53°E. 55 lks. dist.  
 marked T 4 S R 8 W S 15 B T  
 A cedar 7 ins. diam. bears S.87°E. 28 lks. dist.  
 marked T 4 S R 8 W S 22 B T

SUBDIVISION OF T. 4 S.R.8 W U.S.B.& M.

CHAINS. A pinon pine 8 ins.diam.bears S. $38^{\circ}$ W.18 lbs.dist.  
marked T 4 S R 8 W S 21 B T  
A pinon pine 12 ins.diam.bears N. $44^{\circ}$ W.57 lbs.dist.  
marked T 4 S R 8 W S 16 B T  
Land mountainous.  
Soil stony;2d to 4th rate.  
Timber cedar and pinon pine.  
Mountainous land,covered with heavy timber,80.00 chs.

October 11,1903.

Oct.12,at 8 h.a.m.l.m.t.I set off  $40^{\circ}08'$ N.on lat.arc; $7^{\circ}04'$ S.on decl.arc;and determine a true meridian with the solar,at the cor.of secs.15-16-21 and 22,Thence I run S. $89^{\circ}55'$ E.on a random line bet.secs.15 and 22

- 40.00 Set temp. $\frac{1}{4}$  sec.cor.  
80.16 Intersect N.and S.line 5 lbs.N.of the cor.of secs.14-15,22 and 23.Thence I run  
N. $89^{\circ}53'$ W.on a true line bet.secs.15 and 22  
Along bottom;through dense willow and rose brush.  
19.50 Leave bottom and brush;ascend over broken ledges and slide;through scattering cedar and pinon pine timber,  
bears N.E.and S.W.  
26.00 Shale rock cliff's,600 ft.abovo creek,bear N. $85^{\circ}$ E.and S. $85^{\circ}$ W.;along broken ledges.  
40.08 Set a shale rock 16x10x7 ins.ll ins.in the ground,for  $\frac{1}{4}$   
sec.cor.,marked  $\frac{1}{4}$  on N.face;and raised a mound of stone  
2 ft.base  $1\frac{1}{2}$  ft.high N.of cor.Pits impracticable.  
63.00 Hollow,course S.;  
Enter heavy cedar and pinon pine timber.  
80.16 The cor.of secs.15-16-21 and 22.  
Land mountainous..  
Soil stony;3rd and 4th rate.  
Timber cedar and pinon pine.  
Mountainous land,heavy timber, and dense undergrowth  
80.16 chs.

SUBDIVISION OF T.4 S.R.8 W.U.S.B.& M.

## CHAINS.

N.0°02'W.bet.secs.15 and 16

Ascend over broken land, through heavy cedar and pinon timber.

21.50 Spur ridge projects S.E.; descend.

36.00 Ravine, 300 ft. deep, course S.E.; ascend spur,

40.00 Set a shale rock 20x15x4 ins. 15 ins. in the ground, for  $\frac{1}{4}$  sec.cor., marked  $\frac{1}{4}$  on W.face; from which

A cedar 18 ins. diam. bears N.43°E.90 lks. dist.,  
marked  $\frac{1}{4}$  S 15 B T

A pinon pine tree 15 ins. diam. bears S.8°W.60 lks.  
dist., marked  $\frac{1}{4}$  S 16 B T

56.70 Top of spur ridge,

Thence along spur.

66.00 Leave spur ridge, bears N.W.

Descend.

80.00 Set a sandstone 15x12x6 ins. 10 ins. in the ground, for cor.of secs.9-10-15 and 16, marked with 3 notches on E. and 4 notches on S.edges; from which

A pinon pine 8 ins. diam. bears N.E.10 lks. dist.  
marked T 4 S R 8 W S 10 B T

A pinon pine 7 ins. diam. bears S.17°E.23 lks. dist.  
marked T 4 S R 8 W S 15 B T

A pinon pine 10 ins. diam. bears S.61°W.35 lks. dist.  
marked T 4 S R 8 W S 16 B T

A pinon pine 9 ins. diam. bears N.65°W.34 lks. dist.  
marked T 4 S R 8 W S 9 B T

Land mountainous.

Soil stony; 4th.rate.

Timber cedar and pinon pine.

Mountainous land covered with heavy timber 80.00 chs.

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Oct.12, at this cor.I set off 7°02'S.on decl.arc; and at 11 h.47 m.a.m.l.m.t.observe the sun on the meridian; the resulting lat.is 40°09'N.

V W R W S B M

- CHAINS S.89°53'E.on a random line betsecs.10 and 15
- 40.00 Set temp. $\frac{1}{4}$  sec.cor.
- 79.92 Intersect N.and S.line 33 lks.S.of the cor.of secs.10-11-14 and 15.Thence I run  
S.89°53'W.on a true line betsecs.10 and 15  
Over broken stony land;through heavy cedar and pinon pin timber.
- 8.00 Ravine 100 ft.deep, course S.;ascend.
- 13.00 Spur projects S.;descend.
- 20.00 Ravine 200 ft.deep, course S.E.;ascend.
- 39.00 Spur ridge projects S.;descend.
- 39.96 Set a sandstone 14x12x8 ins.9 ins.in the ground for  $\frac{1}{4}$  sec.cor.,marked  $\frac{1}{4}$  on N.face;from which  
A cedar 16 ins.diam.bears S.8 $\frac{1}{2}$ °E.60 lks.dist.  
marked  $\frac{1}{4}$  S 15 B T  
A cedar 24 ins.diam.bears N.36°W.17 lks.dist.  
marked  $\frac{1}{4}$  S 10 B T
- 57.00 Ravine 600 ft.deep, course S.;ascend.
- 65.00 Spur ridge,projects S.;descend.
- 78.00 Hollow course S.E.;ascend.
- 79.92 The cor.of secs.9-10-15 and 16.  
Land mountainous.  
Soil stony;3rd.and 4th rate.  
Timber cedar and pinon pine.  
Mountainous land covered with heavy timber 79.92 chs.

N.0°02'W.betsecs.9 and 10

- Over broken land;through heavy cedar and pinon timber.
- 2.00 Hollow course S.E.;ascend.
- 26.50 800 ft.above sec.cor.,top of mountain,  
Leave timber,bears E.and W.;descend.  
Saddle 15 chs.W.,pass Nand S.
- 40.00 Set a sandstone 15x10x8 ins.10 ins.in the ground,for  $\frac{1}{4}$  sec.cor.,marked  $\frac{1}{4}$  on W.face;raised a mound of stone 2

## SUBDIVISION OF T.4 S.R.8 W.U.S.B.&amp; M.

## CHAINS

ft. base  $1\frac{1}{2}$  ft. high W.of cor. Pits impracticable.

42.50 Ravine 150 ft. deep, course N.E.;

Ascend.

44.00 Enter heavy cedar and pinon pine timber bears E. and W.

.80.00 Set a shale stone 18x15x6 ins. 12 ins. in the ground, for cor. of secs. 3-4-9 and 10, marked with 3 notches on E. and 5 notches on S.edges; from which

A pinon pine 8 ins. diam. bears N. $1^{\circ}E.$  16 lks. dist.

marked T 4 S R 8 W S 3 B T

A pinon pine 20 ins. diam. bears S. $30^{\circ}E.$  32 lks. dist.

marked T 4 S R 8 W S 10 B T

A pinon pine 6 ins. diam. bears S. $42^{\circ}W.$  28 lks. dist.

marked T 4 S R 8 W S 9 B T

A cedar 7 ins. diam. bears N. $83^{\circ}W.$  47 lks. dist.

marked T 4 S R 8 W S 4 B T

Land mountainous.

Soil stony; 3d rate.

Timber cedar and pinon pine.

Mountainous land and heavily timbered 80.00 chs.

October 12, 1903.

October 13, at 8 h.a.m.l.m.t. I set off  $40^{\circ}10'N.$  on lat. arc;  $7^{\circ}27'S.$  on decl. arc; and determine a true meridian with the solar at the cor. of secs. 5-4-9 and 10.

Thence I run

N. $89^{\circ}53'E.$  on a random line bet. secs. 5 and 10

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

80.18 Intersect N. and S. line 22 lks. N. of the cor. of secs. 2-7-10 and 11. Thence I run

N. $89^{\circ}58'W.$  on a true line bet. secs. 5 and 10

Ascend along N. slope of ravine.

Over broken land; through heavy cedar and pinon pine timber.

33.00 Elbow of ravine, from N.W. to N.E.

SUBDIVISION OF T.4 S.R.8 W.U.S.B.& M.

CHAINS.

- 37.30 Spur projects N.W.;  
½ sec.cor.will fall, on land subject to slide,  
Set a sandstone 20x16x6 ins.15 ins.in the ground, for  
witness to ½ sec.cor., 21.79 chs.E.of true point, marked  
W C  $\frac{1}{4}$  on N.face; from which  
A pinon pine 12 ins.diam.bears S.80°E.113 lks.dist.  
marked W C  $\frac{1}{4}$  S 10 B T  
A pinon pine 10 ins.diam.bears N.60°W.94 lks dist.  
marked W C  $\frac{1}{2}$  S 3 B T
- 40.09 Land subject to slide,  $\frac{1}{2}$  sec.cor.not set.
- 47.00 Ravine 800 ft.deep, course N.80°E.
- 71.00 Spur projects S.10°E.
- 77.00 Hollow course S.  
Ascend.
- 80.18 The cor.of secs.3-4-9 and 10.  
Land mountainous.  
Soil stony; 4th rate.  
Timber cedar and pinon pine.  
Mountainous land and heavily timbered 80.18 chs.

- 
- N.0°02'W.on random line betsecs.3 and 4
- 40.00 Set temp.  $\frac{1}{2}$  sec.cor.
- 80.09 Intersect N.bdy.of Tp.9 lks.E.of the cor.of secs.3-4-  
33 and 34, heretofore described.Thence I run  
S.0°06'E.on a true line betsecs.3 and 4  
Ascend over broken land; through heavy cedar and pinon  
pine timber.
- 8.00 Ridge bears N.E.and S.W.;descend.
- 39.00 Ravine 800 ft.deep, course N.E.;ascend.
- 40.09 Set a sandstone 16x10x6 ins.11 ins.in the ground, for  $\frac{1}{4}$   
sec.cor., marked  $\frac{1}{4}$  on W.face; from which  
A pinon pine 3 ins.diam.bears E.10 lks.dist.  
marked  $\frac{1}{4}$  S 3 B T  
A pinon pine 4 ins.diam.bears S.82°W.22 lks.dist.

## SUBDIVISION OF T. 4 S. R. 8 W. U. S. R. &amp; M.

## CHAINS.

marked  $\frac{1}{4}$  S 4 B T

71.00 Ridge bears N.E. and S.W.; descend.

80.09 The cor. of secs. 3-4-9 and 10.

Land mountainous.

Soil stony; 4th rate.

Timber cedar and pinon pine.

Mountainous land covered with heavy timber 80.09 chs.

October 13, I set off  $7^{\circ}32' S.$  on decl. arc; and at 11 h. 47 m.a.m.l.m.t. observe the sun on the meridian; the resulting lat. is  $40^{\circ}05' N.$ , at the standard cor. of secs. 32 and 33 on S.bdry. of Tp., heretofore described.

Thence I run

 $N.0^{\circ}03' W.$  bet. secs. 32 and 33,

Descend through dead and fallen timber; over stony land.

2.50 Ravine 150 ft. below sec. cor., course N.W.

Leave timber; ascend.

14.00 Spur projects W.; descend.

40.00 Set a sandstone 20x18x12 ins. 15 ins. in the ground, for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on W. face; and raised a mound of stone 2 ft. base 1 $\frac{1}{2}$  ft. high W. of cor. Pits impractical.

40.55 Ravine 600 ft. deep, course N.W.; ascend.

60.00 Spur projects W.; descend.

72.00 Ravine 300 ft. deep, course N.W.

Enter heavy pine and cedar timber.

Ascend.

80.00 Set a shale rock 15x18x5 ins. 10 ins. in the ground, for cor. of secs. 28-29-32 and 33, marked with 4 notches on E. and 1 notch on S. edges; from which

A cedar 24 ins. diam. bears  $S.26^{\circ}E.57$  lks. dist.

marked T 4 S R 8 W S 33 B T

A pine 16 ins. diam. bears  $N.9^{\circ}E.60$  lks. dist.

marked T 4 S R 8 W S 28 B T

SUBDIVISION OF T.4 S.R.8 W. U.S.B.& M.

## CHAINS.

A pine 20 ins. diam. bears S. 5°W. 130 lks. d st.

marked T 4 S R 8 W S 32 B T

A pine 15 ins. diam. bears N. 10°W. 110 lks. dist.

marked T 4 S R 8 W S 29 B T

Land mountainous.

Soil stony, 2d and 3rd rate.

Timber cedar and pine.

Mountainous land, 80.00 chs.

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E. on a random line bet. secs. 28 and 33,

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

80.04 Intersect N. and S. line 5 lks. S. of the cor. of secs. 27-  
28-33 and 34.; thence I run

S. 89°58'W. on a true line bet. secs. 28 and 33

Descend over stony land.

3.00 Canon 900 ft. deep, course N.

Ascend.

25.50 Spur projects N.;

Enter heavy pine timber bears N. and S.; descend.

36.50 Ravine 600 ft. deep, course N.E.

Leave timber bears N.E. and S.W.

Ascend.

40.02 Set a sandstone 25x12x4 ins. 18 ins. in the ground, for

$\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on N. face; and raise a mound of stone  
2 ft. base  $1\frac{1}{2}$  ft. high N. of cor. Pits impracticable.

53.00 Ridge bears N. and S.; descend.

Through scattering pine timber bears N. and S.

80.04 The cor. of secs. 28-29-32 and 33.

Land mountainous.

Soil stony 3d rate.

Timber pine.

Mountainous land 80.04 chs.

## SUBDIVISION OF T.4 S.R.8 W.U.S.B.&amp; M.

CHAINS.

- October 14, at 8 h.a.m.l.m.t. I set off  $40^{\circ}06'N.$  on lat.arc;  
 $7^{\circ}49'S.$  on decl.arc; and determine a true meridian with  
the solar at the cor.of secs.28-29-32 and 33.  
Thence I run  
N.  $0^{\circ}03'W.$  bet.secs.28 and 29.  
Descend over stony land; through heavy pine timber.  
34.50 Ravine 100 ft.deep, course W.; ascend.  
40.00 Set a shale rock 20x10x4 ins.15 ins.in the ground, for  $\frac{1}{4}$   
sec.cor., marked  $\frac{1}{4}$  on W.face; from which  
A cedar 12 ins.diam.bears N.  $74^{\circ}E.$  43 lks.dist.  
marked  $\frac{1}{4}$  S 28 B T  
A pine 10 ins.diam.bears N.  $82^{\circ}W.$  71 lks.dist.  
marked  $\frac{1}{4}$  S 29 B T  
41.40 Spur projects W.; descend.  
69.60 Ravine 200 ft.deep, course N.W.; ascend..  
79.00 Spur projects W.; descend.  
80.00 Set a shale rock 16x8x8 ins.11 ins.in the ground, for cor.  
to secs.20-21-28 and 29, marked with 4 notches on E.and  
2 notches on S.edges; from which  
A pinon pine 5 ins.diam.bears N.  $79\frac{1}{2}^{\circ}E.$  47 lks.dist.  
marked T 4 S R 8 W S 21 B T  
A pine 6 ins.diam.bears S.  $17^{\circ}E.$  21 lks.dist.  
marked T 4 S R 8 W S 28 B T  
A pinon 9 ins.diam.bears S.  $60^{\circ}W.$  9 lks.dist.  
marked T 4 S R 8 W S 29 B T  
A pinon pine 6 ins.diam.bears N.  $18\frac{1}{2}^{\circ}W.$  18 lks.dist.  
marked T 4 S R 8 W S 20 B T  
Land mountainous.  
Soil stony; 3d rate.  
Timber cedar, pinon, and pine.  
Mountainous land covered with heavy timber 80.00 chs.  
N.  $89^{\circ}58'E.$  on a random line bet.secs.21 and 28  
40.00 Set temp.  $\frac{1}{4}$  sec.cor.

SUBDIVISION OF T.4 S.R.8 W.U.S.B.& M.

CHAINS.

- 80.22 Intersect N. and S. line 12 lks. N. of the cor. of secs. 21-2  
22-27 and 28. Thence I run  
N.  $80^{\circ}57'W$ . on a true line bet. secs. 21 and 28  
Ascending over stony land; through heavy cedar and pine  
timber.  
12.00 Ridge bears N. and S.  
19.50 Ravine 250 ft. deep, course N.E.  
40.11 Set a sandstone  $16x10x7$  ins. 11 ins. in the ground, for  $\frac{1}{4}$   
sec. cor., marked  $\frac{1}{4}$  on N. face; from which  
A pine 3 ins. diam. bears N. 17 lks. dist.  
marked  $\frac{1}{4}$  S 21 B T  
A pine 6 ins. diam. bears S. 11° E. 21 lks. dist.  
marked  $\frac{1}{4}$  S 28 B T  
50.25 Ridge bears N. and S.  
Descend.  
58.50 Ravine 300 ft. deep, course N.; ascend.  
76.50 Spur projects N.  
Descend.  
80.22 The cor. of secs. 20-21-28 and 29.  
Land mountainous.  
Soil stony; 3d and 4th rate.  
Timber cedar and pine.  
Mountainous land and heavy timber 80.22 chs.

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N.  $0^{\circ}05'W$ . bet. secs. 20 and 21

- Descend over broken stony land; through heavy cedar and  
pine timber.  
81.50 Shale rock cliffs, 100 ft. high; leave timber; enter dense  
service berry brush bears E. and W.  
88.00 Strawberry River, 30 lks. wide, in canon 1500 ft. deep, course  
N.E.; through dense willow and birch brush.  
97.00 Leave bottom; ascend over broken limestone ledges bear  
E. and W.  
40.00 Set a sandstone  $15x10x6$  ins. 10 ins. in the ground, for  $\frac{1}{4}$

SUBDIVISION OF T.4 S.R.8 W.U.S.B.& M.

- CHAINS. Spec.cor., marked  $\frac{1}{4}$  on W.face; and raise a mound of stone 2 ft. base  $1\frac{1}{2}$  ft. high W.of cor. Pits impracticable.
- 50.00 Top of ledges, 500 ft. above creek, bear N.E. and S.W. Descend. Enter heavy cedar and pinon pine timber, E. & W.
- 78.50 Ravine 100 ft. deep, course S.W.; ascend.
- 80.00 Set a shale rock 18x15x6 ins. 12 ins. in the ground, for cor. of secs. 16-17-20 and 21, marked with 4 notches on E. and 3 notches on S.edges; from which
- A pinon pine 4 ins. diam. bears N.16°E.45 lks. dist.  
marked T 4 S R 8 W S 16 B T
- A pinon pine 3 ins. diam. bears S.E.48 lks. dist.  
marked T 4 S R 8 W S 21 B T
- A pinon pine 6 ins. diam. bears S.55°W.22 lks. dist.  
marked T 4 S R 8 W S 20 B T
- A pinon pine 20 ins. diam. bears N.40°W.90 lks. dist.  
marked T 4 S R 8 W S 17 B T
- Land mountainous.
- Soil stony clay; 4th. rate.
- Timber cedar and pinon pine.
- Mountainous land. heavy timber, and dense undergrowth
- 80.00 chs.
- Oct. 14, at this cor. I set off 7°54' S. on decl. arc; and at 11 h.46 m.a.m.l.m.t. observe the sun on the meridian; the resulting lat. is 40°08' N.
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- 40.00 S.89°57'E. on a random line bet. secs. 16 and 21  
Set temp.  $\frac{1}{4}$  sec.cor.
- 80.24 Intersect N. and S. line 3 lks. N. of the cor. of secs. 15-16  
21 and 22. Thence I run  
N.89°56'W. on a true line bet. secs. 16 and 21  
Over broken land and limestone ledges; through heavy cedar and pinon pine timber.
- 22.00 Hollow course S.; ascend.
- 40.12 Set a sandstone 16x9x7 ins. 11 ins. in the ground, for  $\frac{1}{4}$

SUBDIVISION OF T.4 S.R.8 W.U.S.B.& M.

CHAINS.

sec.cor.,marked  $\frac{1}{4}$  on N.face;from which

A pinon pine 4 ins.diam.bears N.16 lks.dist.

marked  $\frac{1}{2}$  S 16 B T

A pinon pine 10 ins.diam.bears S.21°E.15 lks.dist.

marked  $\frac{1}{4}$  S 21 B T

68.00 Spur projects S.25°W.;descend.

77.00 Ravine 100 ft.deep, course S.W.;ascend.

80.24 The cor.of secs.16-17-20 and 21.

Land mountainous.

Soil stony;4th.rate.

Timber cedar and pinon pine.

Mountainous land and heavily timbered 80.24 chs.

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N.0°03'W.betsecs.16 and 17

over broken stony land.

Through heavy cedar and pinon pine timber.

25.50 Ravine 150 ft.deep, course S.10°E.;ascend.

40.00 Set a sandstone 15x10x8 ins.10 ins.in the ground,for  $\frac{1}{4}$   
sec.cor.,marked  $\frac{1}{4}$  on W.face;from which

A cedar 15 ins.diam.bears N.32°W.8 lks.dist.

marked  $\frac{1}{4}$  S 17 B T

A pinon pine tree 4 ins.diam.bears N.27°E.15 lks.d  
dist.,marked  $\frac{1}{2}$  S 16 B T

57.00 Ridge 500 ft.above sec.cor.,bears N.W.and S.E.

Descend.

68.00 Hollow 200 ft.deep, course E.

Enter scattering cedar and pinon pine timber.

80.00 Set a shale rock 15x10x10 ins.10 ins.in the ground,for  
cor.of secs.8-9-16 and 17,marked with 4 notches on S.and  
E.edges;from which

A cedar 15 ins.diam.bears S.85°W.13 lks.dist.

marked T 4 S R 8 W S 17 B T

A pinon pine 8 ins.diam.bears N.72°W.15 lks.dist.

marked T 4 S R 8 W S 8 B T

SUBDIVISION OF T.4 S.R.8 W.U.S.B.& H.

CHAINS.

No other bearing trees within limits; raise a mound of stone 2 ft. base  $1\frac{1}{2}$  ft. high W.of cor. Pits impracticable. Land mountainous.

Soil stony; 3d and 4th rate.

Timber cedar and pinon.

Mountainous land and heavily timbered 80.00 chs.

October 14, 1903.

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October 15, at 8 h.a.m.l.m.t. I set off  $40^{\circ}09'N.$  on lat. arc;  $8^{\circ}12'S.$  on decl. arc; and determine a true meridian with the solar at the cor. of secs. 8-9-16 and 17.

Thence I run

S. $89^{\circ}56'E.$  on a random line bet. secs. 9 and 16

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

80.36 Intersect N. and S. line 3 lks. S. of the cor. of secs. 9-10-15 and 16, Thence I run

N. $89^{\circ}57'W.$  on a true line bet. secs. 9 and 16

Ascend over broken stony land; through heavy cedar and pinon pine timber.

15.50 Ridge bears N. and S.; descend.

24.00 Ravine 150 ft. deep, course S.; ascend.

40.18 On spur, projects S.,

Set a sandstone 15x10x6 ins. 10 ins. in the ground, for  $\frac{1}{2}$  sec. cor., marked  $\frac{1}{4}$  on N. face; from which

A pinon pine 10 ins. diam. bears N. 7 lks. dist.

marked  $\frac{1}{4}$  S 9 B T

A pinon pine 6 ins. diam. bears S.  $21^{\circ}E.$  15 lks. dist.

marked  $\frac{1}{4}$  S 16 B T

61.00 Hollow course S.E.

Ascend; through scattering timber.

80.36 The cor. of secs. 8-9-16 and 17.

Land mountainous.

Soil stony; 4th rate.

SUBDIVISION OF T.4 S.R.8 W.U.S.B.& M.

CHAINS. Timber cedar and pinon pine.

Mountainous land and heavy timber 80.36 chs.

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N.0°03'W.bet.secs.8 and 9

Ascend over broken land; through scattering cedar and pinon pine timber.

33.50 Top of mountain; leave timber, bears E. and W. Descend.

40.00 Set a sandstone 18x12x10 ins.12 ins.in the ground, for  $\frac{1}{4}$  sec.cor., marked  $\frac{1}{4}$  on W.face; and raised a mound of stone 2 ft.base  $1\frac{1}{2}$  ft.high W.of cor.Pits impracticable.

70.00 Ravine 200 ft.below mountain top; course N.E.

80.00 Set a sandstone 20x15x4 ins.15 ins.in the ground, for cor. of secs.4-5-8 and 9, marked with 4 notches on E. and 5 notches on S.edges; raise a mound of stone 2 ft.base  $1\frac{1}{2}$  ft.high W.of cor.Pits impracticable.

Land mountainous.

Soil stony; 3d rate.

Timber cedar and pinon pine.

Mountainous land and heavy timber 80.00 chs.

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S.89°57'E.on a random line bet.secs.4 and 9

40.00 Set temp. $\frac{1}{4}$  sec.cor.

80.30 Intersect N.and S.line 3 lks.N.of the cor.of secs.3-4-9 and 10.Thence I run

N.89°56'W.on a true line bet.secs.4 and 9

Ascend over broken stony land; through heavy cedar and pinon pine timber.

5.75 Top of mountain ridge bears N.E. and S.W.

Descend.

28.00 Ravine 350 ft.deep, course N.;ascend.

Leave cedar and pinon timber; enter dense oak,sage and service berry brush,bears N.and S.

31.50 Spur projects N.E.;descend.

34.00 Ravine 250 ft.deep, course N.E.;ascend.

## SUBDIVISION OF T.4 S.R.8 W.U.S.B.&amp; M.

## CHAINS

- 40.15 Set a sandstone 20x15x9 ins.15 ins.in the ground,for  $\frac{1}{4}$  sec.cor.,marked  $\frac{1}{4}$  on N.face;raised a mound of stone 2 ft.base  $1\frac{1}{2}$  ft.high N.of cor.Pits impracticable.
- 43.00 Spur projects N.;descend,through scattering pine timber.
- 71.00 Ravine,150 ft.deep,course N.E.
- Leave scattering timber.
- 80.30 The cor.of secs.4-5-8 and 9.
- Land mountainous.
- Soil stony;3rd and 4th rate.
- Timber cedar,pinon, and pine.
- Mountainous land,heavy timber, and dense undergrowth 80.30 chs.
- Oct.15,at this cor.I set off  $8^{\circ}17' S.$  on decl.arc;and at 11 h.46 m.a.m.l.m.t.observe the sun on the meridian;the resulting lat.is  $40^{\circ}10' N.$

40.00

N. $0^{\circ}03' W.$ on a random line betsecs.4 and 5Set temp. $\frac{1}{4}$  sec.cor.

79.85

Intersect N.bdy.of Tp.15 lks.E.of the cor.of secs.4-5-32 and 33,heretofore described;thence I run

S. $0^{\circ}09' E.$ on a true line betsecs.4 and 5

Ascend over N.slope of mountain.

Through scattering cedar and pinon pine timber, and dense oak,sage, and service berry brush.

21.00

Ridge bears N.E.and S.W.;descend.

38.50

Ravine 150 ft.deep,course N.E.;ascend.

39.85

400 ft.above Tp.line,

Set a sandstone 15x10x6 ins.10 ins.in the ground,for  $\frac{1}{4}$  sec.cor.,marked  $\frac{1}{2}$  on W.face;dig pits  $18 \times 18 \times 12$  ins.N.and S.of stone;<sup>3 ft. dist.</sup> raised a mound of earth  $3\frac{1}{2}$  ft.base  $1\frac{1}{2}$  ft.high W.of cor.

73.00

Ridge 500 ft.above  $\frac{1}{4}$  sec.cor.;bears N.E.and S.W.;descend.

79.85

The cor.of secs.4-5-8 and 9.

Land mountainous.

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SUBDIVISION OF T.4 S.R.8 W.U.S.B.& M.

CHAINS.

Soil stony; 3d rate.

Timber cedar and pinon pine.

Mountainous land and dense undergrowth 79.85 chs.

Oct. 15, 1903.

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Oct. 16, at 8 h.a.m.l.m.t. I set off  $40^{\circ}5\frac{1}{2}'$  N.on lat.arc;  $80^{\circ}34'$  S.on decl.arc; and determine a true meridian with the solar at the standard cor.of secs.31 and 32, on S.bdy.of Tp., heretofore described.

From a point 1.85 chs.E.of the witness cor.to standard cor.of secs.31 and 32, I run

N. $0^{\circ}04'$  W.bet.secs.31 and 32

Descend over broken mountainous land; through shale ledges

11.50 Ravine 600 ft.deep, course N.W.; ascend through scattering cedar and pinon pine timber.

40.00 Set a sandstone 15x10x9 ins.10 ins.in the ground, for  $\frac{1}{4}$  sec.cor., marked  $\frac{1}{4}$  on W.face; and raised a mound of stone 2 ft.base  $1\frac{1}{2}$  ft.high W.of cor.Pits impracticable.

Descend.

80.00 Falls on ledges, at exact point for cor.of secs.29-30-31 and 32, marked cross (X), with 5 notches on E.and 1 on S.sides; raised a mound of stone 2 ft.base  $1\frac{1}{2}$  ft.high W.of cor.Pits impracticable.

Land mountainous.

Soil stony; 4th. rate.

Timber cedar and pinon pine..

Mountainous land 80.00 chs.

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E.on a random line bet.secs.29 and 32

40.00 Set temp. $\frac{1}{4}$  sec.cor.

80.23 Intersect N.and S.line 10 lks.S.of the cor.of secs.28-29-32 and 33; thence I run

S. $89^{\circ}56'$  W.on a true line bet.secs.29 and 32

SUBDIVISION OF T.4 S.R.8 W.U.S.B.& M.

CHAINS	
	Descend over stony land; through dense sage and service berry brush, and scattering pine and cedar timber.
2.00	Ravine 300 ft. deep, course N.W.; ascend.
11.00	Spur projects N.15°W.; descend.
19.50	Ravine 500 ft. deep, course N.; ascend.
40.11	Set a sandstone 16x10x5 ins. ll ins. in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N. face; dig pits 18x18x12 ins. E. and W. of stone; 3 ft. dist.; and raise a mound of earth $5\frac{1}{2}$ ft. base 1 $\frac{1}{2}$ ft. high N. of cor.
45.00	Ridge bears N.10°W. and S.10°E.; descend.
	Over broken ledges.
80.22	1000 ft. below ridge, the cor. of secs. 29-30-31 and 32. Land mountainous. Soil stony; 3d and 4th rate. Timber cedar and pine. Mountainous land, dense undergrowth 80.22 chs.

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	W. on random line bet. secs. 30 and 31.
40.00	Set temp. $\frac{1}{2}$ sec.cor.
79.87	Intersect 2d Guide Mer. W. 12 lks. S. of cor. of secs. 25-30 31 and 36, heretofore described. Thence I run S.89°55'E. on a true line bet. secs. 30 and 31 Descend, over mountainous land; through heavy mahogany and pinon timber.
13.00	Hollow course S.E.
	Ascend.
25.27	Spur projects S.W.; $\frac{1}{4}$ sec.cor. will fall on ledges, and cannot be set, therefore at this point. Set a sandstone 16x9x5 ins. ll ins. in the ground, for witness $\frac{1}{4}$ sec.cor., marked W C $\frac{1}{4}$ on N. face; from which A pinon pine 25 ins. diam. bears S.27°E. 18 lks. dist. marked W C $\frac{1}{4}$ S 31 B T A pinon pine 16 ins. diam. bears N.65°W. 32 lks. dist.

SUBDIVISION OF T.4 S R 8 W.U.S.B.& M.

CHAINS. marked W C  $\frac{1}{4}$  S 30 B T

Descend over broken single ledges; through scattering cedar and pinon timber.

39.87 Point for  $\frac{1}{4}$  sec.cor.falls on ledge, cannot be set.

72.00 Foot of ledges, 1200 ft. below spur, bear N.W. and S.E.

Enter dense willow, birch, and rose brush undergrowth.

74.50 Timber Creek, 3 lks.wide, in canon 1500 ft. deep, course N. 30°E.;

78.00 Leave dense undergrowth; ascend over broken ledges, bear N.E. and S.W.

79.87 The cor.of secs.29-30-31 and 32.

Land mountainous.

Soil stony; 4th.rate.

Timber, cedar pinon, and mahogany.

Mountainous land, heavy timber, and dense undergrowth %

79.87 chs.

Oct.16, at this cor.I set off 8°39'S.on decl.arc; li h.46 m.a.m.l.m.t.observe the sun on the meridian; the resulting lat.is 40°06'N.

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N.0°04'W.bet.secs.29 and 30

Descending over broken ledges.

4.00 Leave ledges; enter dense undergrowth of willow, birch and rose brush, bears N.E. and S.W.

12.00 Timber Creek, 3 lks.wide, in canon 1500 ft. deep, course N. 30°E.

19.00 Leave brush; ascend broken ledges, bear N.E. and S.W.

Enter scattering cedar and pinon timber.

40.00 Falls on broken ledges,  $\frac{1}{4}$  sec.cor.cannot be set.

44.50 E.2 chs.\$1200 f'. above creek, set a sandstone 24x12x3 ins. 18 ins.in the ground, for witness cor,to  $\frac{1}{4}$  sec.cor.marked W C  $\frac{1}{4}$  on W.face; from which

A cedar 10 ins.diam.bears S.62°E.13 lks.dist.

marked W C  $\frac{1}{4}$  S 28 B T

## SUBDIVISION OF T.4 S.R.8 W.U.S.B.&amp; M.

## CHAINS

- A cedar 6 ins.diam.bears N. $63\frac{1}{2}$ <sup>o</sup>W.17 lks.dist.  
marked W C  $\frac{1}{2}$  S 30 B T
- 64.50 Leave ledges;enter heavy timber,cedar,pinon pine ,and mahogany,bears N.E.and S.W.;
- 74.00 Spur ridge,projects N.E.;descend.
- 80.00 Set a limestone 15x10x6 ins.10 ins.in the ground,for cor.of secs.19-20-29 and 30,marked with 5 notches on E. and 2 notches on S.edges;from which  
A pine 6 ins.diam.bears N. $26^{\circ}$ E.16 lks.dist.  
marked T 4 S R 8 W S 20 B T  
A pine 15 ins.diam.bears S. $51^{\circ}$ E.19 lks.dist.  
marked T 4 S R 8 W S 29 B T  
A pine 6 ins.diam.bears S. $38^{\circ}$ W.31 lks.dist.  
marked T 4 S R 8 W S 30 B T  
A pine 14 ins.diam.bears N. $40\frac{1}{2}$ <sup>o</sup>W.27 lks.dist.  
marked T 4 S R 8 W S 19 B T
- Land mountainous.
- Soil stony;4th.rate..
- Timber cedar,pine, and mahogany..
- Mountainous land,heavy timber, and dense undergrowth
- 80.00 chs. Oct.16,1903.

Oct.17,at 8 h.a.m.l.m.t.I set off  $40^{\circ}07'N.$ on lat.arc; $8^{\circ}56'S.$ on decl.arc;and determine a true meridian with the solar at the cor.of secs.19-20-29 and 30.Thence I run

N. $89^{\circ}56'N.$ on a random line betsecs.20 and 29

40.00 Set temp. $\frac{1}{4}$  sec.cor.

79.80 Intersect N.and S.line 7 lks.N.of the cor.of secs.20-21-28 and 29;thence I run

S. $89^{\circ}59'W.$ on a true line betsecs.20 and 29

Descend,over broken,stony land.

Through heavy cedar pinon, and pine timber.

7.00 Ravine 250 Ft.below cor.,course.N.W.

30.00 Spur projects N.W.;

## SUBDIVISION OF T. 4 S. R. 8 W. U. S. B. &amp; M.

CHAINS	Point for $\frac{1}{4}$ sec.cor., will fall on land subject to wash, therefore at this point, 9.90 chs. E. of true point, I set a limestone 20x10x8 ins. 15 ins. in the ground, for witness cor. for $\frac{1}{4}$ sec.cor., marked W C $\frac{1}{4}$ on N. face; from which
	A cedar 11 ins. diam. bears N. 65° W. 21 lks. dist. 90 marked W C $\frac{1}{4}$ S. 20 B. T.
	A pine 8 ins. diam. bears S. 24° W. 25 lks. dist. marked W C $\frac{1}{4}$ S. 29 B. T.
33.00	Perpendicular ledges, 500 ft. high, impossible to chain, Set a flag across canon on line; measure at base S. 0° 01' E. 20 chs.; from which flag on line bears N. 46° W.; from flag S. end of base bears S. 46° E.; distance equals co tan 44° 01', or 1.0349 x 20 equals 20.70 plus 33.00 equals
53.70	Estimated distance 13.70 chs. E. to Timber Creek, 5 lks. wide, in canon 1500 ft. deep, course N. 25° E. $\frac{1}{4}$ sec.cor. not set.
70.00	Spur projects N. E.; descend.
79.80	The cor. of secs. 19, 20, 29, and 30 is a spur, 1500 ft. long, mountainous land, stony, 4th rate. Soil stony 4th rate. Timber cedar, pinon pine, and pine. Mountainous land and heavy timber 79.80 chs.
40.00	N. 89° 55' W. on a random line bet. secs. 19 and 30 Set temp. $\frac{1}{4}$ sec.cor.
79.90	Intersect Ed Guide Mer. 0 W. 16 lks. N. of cor. of secs. 19-24 25 and 30, heretofore described. Thence I run N. 89° 58' E. on a true line bet. secs. 19 and 30 Descend over broken, stony land; through heavy cedar, pinon, and pine.
8.00	Ravine 300 ft. deep, course N. E.; ascend.
20.00	Spur projects N.; descend.
39.90	Set a sandstone 16x8x6 ins. 11 ins. in the ground, for

## SUBDIVISION OF T.4 S.R.8 W.U.S.B.&amp; M.

CHAINS

- sec.cor., marked  $\frac{1}{2}$  on N.face; from which  
 A pine 6 ins.diam.bears N. $30^{\circ}W.$  29 lks.dist.  
 marked  $\frac{1}{4}$  S 19 B T
- A pine 18 ins.diam.bears S. $17^{\circ}E.$  13 lks.dist.  
 marked  $\frac{1}{4}$  S 20 B T
- Ravine 150 ft.deep, course N.; ascend..
- Spur projects N.; descend.
- Ravine 250 ft.deep, course N.;  
 Ascend.
- Spur projects N.; descend N.slope of mountain.
- The cor.of secs.19-20-29 and 30.  
 Land mountainous.  
 Soil stony; 2d and 3d rate.  
 Timber cedar, pinon, and pine.  
 Mountainous land and heavy timber 79.90 chs.  
At noon hour sky overcast; solar observations impossible.

N. $0^{\circ}04'W.$  betsecs.19 and 20

Descend broken N.slope of mountain; through heavy cedar  
 pinon and pine.

- Broken limestone ledges, 300 ft.high, bears E. and W.
- Strawberry River, 60 lks.wide, in canon 1500 ft.deep,  
 course S. $60^{\circ}E.$   
 Ascend broken limestone ledges; through, scattering cedar  
 and pinon timber.
- Set a limestone 20x8x6 ins.15 ins.in the ground, for  $\frac{1}{2}$   
 sec.cor., marked  $\frac{1}{2}$  on W.face; and raised a mound of stone  
 2 ft.base  $1\frac{1}{2}$  ft.high W.of cor.Pits impracticable.  
 Oct.17, at this cor.I set off  $9^{\circ}01'S.$  on decl.arc; and at  
 11 oh.46 m.a.m.l.m.t. observe the sun on the meridian;  
 the resulting lat.is  $40^{\circ}08'N.$
- Leave ledges, bears E. and W.  
 Enter heavy cedar and pinon pine timber.  
 Spur projects E.; descend.  
 Ravine 100 ft.deep, course S.E.; ascend.

SUBDIVISION OF T.4 S.R.8 W.U.S.B.& M.

CHAINS  
80.00

Set a sandstone 20x14x6. ins.15 ins.in the ground,for cor.  
of secs.17-18-19 and 20,marked with 5 notches on E.and  
3 notches on S.edges;from which

A pinon pine 18 ins.diam.bears N.89°E.59 lks.dist.  
marked T 4 S R 8 W S 17 B T

A cedar 8 ins.diam.bears S.46°E.68 lks.dist.  
marked T 4 S R 8 W S 20 B T

A pinon pine 12 ins.diam.bears S.76°W.45 lks.dist.  
marked T 4 S R 8 W S 19 B T

A pinon pine 18 ins.diam.bears N.55°W.62 lks.dist.  
marked T 4 S R 8 W S 18 B T

Land mcountainous.

Soil stony;4th rate.

Timber cedar,pinon,and pine..

Mountainous land and heavy timber 80.00 chs.

40.00

N.89°59'E.on a random line betsecs.17 and 20

Set temp. $\frac{1}{4}$  sec.cor.

80.18

Intersect N.and S.line 7 lks.S.of the cor.of secs.16-  
17-20 and 21.Thence I run

S.89°56'W.on a true line betsecs.17 and 20

Ascend over broken S.slope of mountain.

Through heavy cedar and pinon timber.

19.00

Spur ridge,projects S.;descend.

33.00

Ravine 250 ft.deep,course S.;ascend.

40.09

Set a sandstone 1 5x10x6 ins.10 ins in the ground,for  
 $\frac{1}{4}$  sec.cor.,marked  $\frac{1}{4}$  on N.face;from which

A pinon pine 4 ins.diam.bears N.17 lks.dist.  
marked  $\frac{1}{4}$  S 17 B T

A pinon pine 11 ins.diam.bears S.9°E.21 lks.dist.  
marked  $\frac{1}{4}$  S 20 B T

47.00

Ridge bears N.and S.;descend.

63.00

Ravine 200 ft.deep,course S.20°W.;

80.18

The cor.of secs.17-18-19 and 20.

## SUBDIVISION OF T.4 S.R.8 W.U.S.B.&amp; M.

CHAINS.

Land mountainous.

Soil stony; 4th rate.

Timber cedar and pinon pine.

Mountainous land, covered with heavy timber 80.18 chs.

October 17, 1903.

Oct. 18, at 8 h.a.m.l.m.t. I set off  $9^{\circ}18' S.$  on decl.arc;  
 $40^{\circ}08' N.$  on lat.arc; and determine a true meridian with the  
 solar at the cor. of secs. 17-18+19 and 20. Thence I run  
 $S.89^{\circ}58' W.$  on a random line bet. secs. 18 and 19

40.00 Set temp.  $\frac{1}{4}$  sec.cor.79.68 Intersect 2d. Guide Mer. W. 16 lks. S. of cor. of secs. 13-18  
19 and 24, heretofore described.

Thence I run

$S.89^{\circ}55' E.$  on a true line bet. secs. 18 and 19  
 Ascend over broken, south slope of mountain; through  
 heavy cedar and pinon pine timber.

23.00 Spur projects S.; descend.

39.68 Set a limestone 16x14x5 ins. 11 ins. in the ground, for  $\frac{1}{4}$   
 sec.cor., marked  $\frac{1}{4}$  on N. face; from which  
 A cedar 8 ins. diam. bears  $N.35^{\circ}W.$  13 lks. dist.marked  $\frac{1}{4}$  S 18 B TA cedar 3 ins. diam. bears  $S.29\frac{1}{2}^{\circ}W.$  10 lks. dist.marked  $\frac{1}{4}$  S 19 B T

42.00 Ravine 300 ft. deep, course S.E.; ascend.

70.00 Ridge bears N. and S.; descend.

73.00 Ravine 100 ft. deep, course S.25°E.; ascend.

79.68 The cor. of secs. 17-18-19 and 20.

Land mountainous.

Soil stony; 4th rate.

Timber cedar and pinon pine.

Mountainous land covered with heavy timber 79.68 chs.

SUBDIVISION OF T.4 S.R.8 W.U.S.B.& M.

- CHAINS Ascend broken S.slope of mountain.  
Through heavy cedar and pinon pine timber.  
20.00 Spur projects S.E.;descend.  
35.00 Ravine 75 ft.deep,course S.E.;  
Ascend.  
40.00 cor.on spur.  
Set a limestone 14x10x8 ins 9 ins.in the ground,for  $\frac{1}{4}$   
sec.cor.,marked  $\frac{1}{4}$  on W.face;from which  
A cedar 5 ins.diam.bears N.36°E.13 lks.dist.  
marked  $\frac{1}{4}$  S 17 B T  
A cedar 5 ins.diam.bears S.70°W.16 lks.dist.  
marked  $\frac{1}{4}$  S 18 B T  
51.00 Ravine 200 ft.deep.course S.E.;ascend.  
76.00 Leave cedar and pinon pine timber,bears E.and W.  
80.00 500 ft.above  $\frac{1}{4}$  sec.cor.,  
Set a sandstone 20x18x8 ins.15 ins.in the ground,for  
cor.of secs.7-8-17 and 18,marked with 5 notches on E.and  
4 notches on S.edges;and raised a mound of stone 2 ft.  
base  $1\frac{1}{2}$  ft.high W.of cor.Pits impracticable.  
Land mountainous.  
Soil stony;4th.rate.  
Timber cedar and pinon pine.  
Mountainous land covered with heavy timber 80.00 chs.  
Oct.18,at this cor.I set off 9°23'S.on decl.arc;and at  
11 h.45 m.a.m:l.m.t.observe the sun on the meridian;  
the resulting lat.is 40°09'N.

- 
- N.89°56'E.on random line betsecs.8 and 17  
40.00 Set temp. $\frac{1}{4}$  sec.cor.  
80.12 Intersect N.and S.line 5 lks.N.of the cor.of secs.8-9-16  
and 17.Thence I run  
S.89°58'W.on a true line betsecs.8 and 17  
Ascend through heavy cedar and pinon pine timber.  
11.00 Spur ridge,bears S.and N.  
Descend.

## SUBDIVISION OF T.4 S.R.8 W.U.S.B.&amp; M.

## CHAINS.

- 31.00 Ravine, 300 ft. deep, course S.; ascend.  
 40.06 Set a sandstone 15x10x7 ins. 10 ins. in the ground, for  $\frac{1}{4}$  sec.cor., marked  $\frac{1}{4}$  on N.face; from which  
 A pinon pine 6 ins. diam. bears N.17°E. 25 lks. dist.  
 marked  $\frac{1}{4}$  S 8 B T  
 A pinon pine 10 ins. diam. bears S.21°W. 15 lks. dist.  
 marked  $\frac{1}{4}$  S 17 B T  
 54.00 Spur ridge, projects S.; descend.  
 76.00 Ravine 100 ft. deep, course S.; ascend.  
 80.12 The cor.of secs. 7-8-17 and 18.  
 Land mountainous.  
 Soil stony; 4th rate.  
 Timber cedar and pinon pine.  
 Mountainous land and heavy timber 80.12 chs.

- N.89°55'W.on a random line bet.secs.7 and 18  
 40.00 Set temp.  $\frac{1}{4}$  sec.cor.  
 79.69 Intersect Rd Guide Mer.W. 31.lks.N.of cor.of secs.7-13-13 and 18, heretofore described.  
 Thence I run  
 N.89°52'E.on a true line bet.secs.7 and 18  
 Ascend along broken S.slope of mountain.  
 Through heavy cedar and pinon pine timber.  
 11.00 Spur ridge projects S.; descend.  
 25.00 Ravine 250 ft. deep, course S.; ascend.  
 33.00 Spur ridge projects S.; descend.  
 39.00 Ravine 350 ft. deep, course S.; ascend.  
 39.69 Set a limestone 20x10x8 in. 15 ins. in the ground, for  $\frac{1}{4}$  sec.cor.. marked  $\frac{1}{4}$  on N.face; from which  
 A pinon pine tree 10 ins. diam. bears S.5°W. 4 lks.  
 dist., marked  $\frac{1}{4}$  S 18 B T  
 A pinon pine 17 ins. diam. bears N.E. 17 lks. dist.  
 marked  $\frac{1}{4}$  S 7 B T  
 70.50 Spur ridge, projects S.; descend.

SUBDIVISION OF T.4 S.R.8 W.U.S.B.& M.

CHAINS

79.69 The cor.of secs.7,8,17, and 18.

Land mountainous.

Soil stony;4th rate.

Timber pine

Mountainous land heavily timbered 79.69 chs.

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N.0°04'W.bet.secs.7 and 8

Ascending over broken mountainous land.

37.00 Top of ridge bears E.and W.

Descend through dense squaw,oak, and sagebrush.

40.00 Set a sandstone 14x10x4 ins.9 ins.in the ground for  $\frac{1}{4}$  sec.cor.,marked 9 on W.face;and raise a mound of stone 2 ft.base  $1\frac{1}{2}$  ft.high W.of cor.Pits impracticable.

54.00 Ravine 200 ft.deep, course NE.

Ascend.

78.00 Spur projects NE.

80.00 On ridge bears NE.and SW.

Set a sandstone 18x12x5 ins.12 ins.in the ground for cor.of secs.5,6,7, and 8,marked with 5 notches on E.and 5 notches on W.edges, and raise a mound of stone 2 ft. base  $1\frac{1}{2}$  ft.high W.of cor.Pits impracticable.

Land mountainous.

Soil stony;4th rate.

No timber.

Mountainous land,80:00lchs.

N.89°58'E.on a random line bet.secs.5 and 8

40.00 Set temp. $\frac{1}{4}$  sec.cor.

79.90 Intersect N.and S.line 2 lks.S.of the cor.of secs.4,5, 8, and 9; thence I run

S.89°57'W.on a true line bet.secs.5 and 8

Ascending over mountainous land through dense sagebrush.

2.00 Ridge bears NE.and SW.;descend.

26.50 Ravine 200 ft.deep, course NE.

## SUBDIVISION OF T. 4 S R. 8 W . U S. B. &amp; M.

Chains 39.95	Set a shalestone 18x16x3 ins.12 ins.in the ground for $\frac{1}{2}$ sec.cor.,marked $\frac{1}{2}$ on N.face;and raise a mound of stone 2 ft.base $1\frac{1}{2}$ ft.high N.of cor. Pits impracticable.	See recti Page
45.50	Ridge bears NE.and SW.;descend.	
67.30	Ravine 200 ft.deep,course NE.;ascend.	
78.50	Ridge bears NE.and SW.	
<u>79.90</u>	The cor.of secs.5,6,7, and 8. Land mountainous. Soil stony;4th rate. No timber. Mountainous land covered with dense undergrowth 79.90 chs.	

Oct.18,1903.

Oct.19: At 8 h.00 m.a.m.l.m.t.I set off  $9^{\circ}40' S.$  on decl.  
arc; $40^{\circ}10' N.$  on lat.arc;and determine a meridian with  
the solar at the cor.of secs.5,6,7, and 8.

Thence I run

S: $89^{\circ}52' W.$ on a random line bet.secs.6 and 740.00 Set temp. $\frac{1}{2}$  sec.cor.79.45 Intersect 2d Guide Mer.W.3 lks.S.of the cor.of secs.1,6,

7,a nd 12,heretofore described;thence I run

W. $89^{\circ}53' E.$ on a true line bet.secs.6 and 7Ascending over mountainous land;through dense oak and  
.squaw brush.

9.00 Ridge bears N.and S.;descend.

22.50 Ravine 200 ft.deep,course NE.

Thence along S.side of ridge bears E.and W.

39.45 Set a sandstone 18x15x6 ins.12 ins.in the ground for  $\frac{1}{2}$   
sec.cor.,marked  $\frac{1}{2}$  on N.face;and raise a mound of stone  
2 ft.base  $1\frac{1}{2}$  ft.high N.of cor.Pits impracticable.

42.00 Descend.

See  
NoteSee  
Note

SUBDIVISION OF T 4 S.R 8 W U S B & M

Chains. 79.45 The cor. of secs. 5, 6, 7, and 8.  
Land mountainous.  
Soil stony; 3d and 4th rate.  
No timber.  
Mountainous land covered with dense undergrowth 79.45  
chs.

40.00 N. 0°04' W. on a random line bet. secs. 5 and 6  
Set temp.  $\frac{1}{4}$  sec. cor.  
79.80 Intersect N. bdy. of Tp. 9 lks. E. of the cor. of secs. 5, 6, 31,  
and 32, heretofore described. Thence I run  
S. 0°08' E. on a true line bet. secs. 5 and 6  
Ascending through dense artemisia, oak, and squaw brush.  
39.80 400 ft. above sec. cor.,  
Set a limestone 20x11x3 ins. 15 ins. in the ground for  $\frac{1}{4}$   
sec. cor., marked  $\frac{1}{4}$  on W. face; dig pits 18x18x12 ins. N. and  
S. of stone 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft.  
base  $1\frac{1}{2}$  ft. high W. of cor. Pits impracticable. Descend.  
51.50 Hollow course N. 85° E. Ascend.  
62.00 Ridge bears E. and W.; descend.  
70.00 Hollow course E.  
79.80 The cor. of secs. 5, 6, 7, and 8.  
Land mountainous.  
Soil rocky; 4th rate.  
No timber.  
Mountainous land covered with dense undergrowth 79.80  
chs.

October 19, 1903.

GENERAL DESCRIPTION.

This Tp. is entirely mountainous, cut by box canons  
and perpendicular cliffs and ledges, and is almost inac-  
cessible.

The land is covered with a heavy growth of cedar  
and pinon pine, and scattering groves of pine and aspen.

SURVEY OF T 4 S R 8 W U.S.R. & M.

Chains

timber; with a dense growth of sage, service berry, oak, and squaw brush.

The soil throughout the township is stony; the narrow strips of land in the canons are not extensive enough for profitable farming.

There is an abundance of water in the Strawberry River, and a small perpetual stream of water in Avintquin Canons.

Good grasses cover the entire township; affording good grazing.

I found no indications of mineral in the township.

There are no settlers in the township.

*George C. Brown*  
U.S. Deputy Surveyor.

BOUNDARIES OF T. 4 S. R. 8 E.

LATITUDES, DEPARTURES AND CLOSING ERRORS.

Line Designated	True bearing	Dist.	Latitudes		Departures	
			N. chgs.	S. chgs.	E. chgs.	W. chgs.
1st St. Par. South	West	480.00	.....	.....	.....	480.00
2nd Guide Mer. West	North	480.00	480.00	.....	.....	.....
North Bdy.	S. 89° 58' E.	479.50	.....	.28	479.30	.....
West Bdy.	South	480.00	.....	480.00	.....	.....
Convergency						.61
Totals			480.00	480.28	479.91	480.00
				480.00		479.91
Error in lat. and dep.				.28		.09

*George L. Shaw*  
U.S. Deputy Surveyor.

## FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

## LIST OF NAMES.

A list of the names of the individuals employed by .....  
 ..... United States Deputy Surveyor, to assist in running, measuring, and  
 marking the lines and corners described in the foregoing field notes of the survey of .....  
 ..... showing the respective capacities in which they acted:

..... *Chairman.*  
 ..... *Chairman.*  
 ..... *Mountman.*  
 For final affidavits see book J.T. 1 S... R.B.M.... *Mountman.*  
 ..... *Arman.*  
 ..... *Arman.*  
 ..... *Flagman.*

## FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted .....  
 ..... United States Deputy Surveyor, in surveying all  
 those parts or portions of the .....  
 .....  
 ..... of the .....  
 ..... meridian, ..... of ..... which are represented  
 in the foregoing field notes as having been surveyed by him and under his direction; and that said survey  
 has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the  
 corner monuments established, according to the instructions furnished by the United States Surveyor  
 General for .....

..... *Chairman.*  
 ..... *Chairman.*  
 For final affidavits see book J.T. 1 S... R.B.M.... *Mountman.*  
 ..... *Mountman.*  
 ..... *Arman.*  
 ..... *Arman.*  
 ..... *Flagman.*

Subscribed and sworn to before me this .....  
 day of ..... , 190 }  
 }

○○○○○  
 ○ SEAL ○  
 ○○○○○

**FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.**

I, [REDACTED], United States Deputy Surveyor, do  
solemnly swear that, in performance of a contract received from  
[REDACTED] for said Surveyor I have observed the [REDACTED] bearing date of the  
[REDACTED] day of [REDACTED], A.D. 1861, I have well, faithfully, and truly, in my own  
proper person, and in strict and ready with the instructions furnished by the United States Surveyor  
General for [REDACTED] the Manual of Surveying Instructions, and the laws of the  
United States, measured, ascertained, all the principal points of

The said district, as per book #J. T. L. S., R. B. #

of the

Survey, in the [REDACTED] which are represented in the  
Surveying field notes as having been surveyed by me, and under my direction; and I do further solemnly  
swear that all the errors of said survey have been established and perpetuated in strict accordance with  
the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor  
General for [REDACTED] and in the specific manner described in the field notes, and that  
the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer  
the penalty of perjury under the penalties of an Act of Congress approved August 6, 1846.

United States Deputy Surveyor.

Subscribed and sworn to before me,

John [REDACTED] day of [REDACTED], 1861

[REDACTED]

**APPROVAL.**

**OFFICE OF THE UNITED STATES SURVEYOR GENERAL.**

Salt Lake City, Utah, December 20, 1861.

The foregoing field notes of the survey of the subdivision of Township No. 4  
Section 20, in the Right Half of the Mexican Special Ranch, and Loridian, Utah.

Presented by J. C. Green and J. M. Fitch, Surveyors,  
dated September 10, 1861, having been  
examined and the accuracy ascertained and explained made, the said field notes, and the  
instructions they describe, are hereby approved.

*David Raderick*  
United States Surveyor General

I swear to have the foregoing transcript of the field notes of the above-mentioned survey in  
my possession, and to have been accurately copied from the original notes on file in this office.

[REDACTED]

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FILED  
JUL 3 1905  
*q. 3/11*

CORRECTIVE

## FIELD NOTES

OF THE SURVEY OF THE

M. J. B.

SUBDIVISION

OF

TOWNSHIP 4 S., R., 8 W.,

Of the Uintah Special Base and Meridian,  
in the State of Utah.

AS SURVEYED BY

George C. Swan and Frederick C. Ferron, United States Deputy Surveyor,  
their  
Under his Contract No. 278, dated September 10th., 1903.

Survey commenced June 25th., 1905.

Survey completed June 26th., 1905.

**NAMES AND DUTIES OF ASSISTANTS.**

William O. Walquist.....Chairman.

Lawrence R. Swan.....Chairman.

Lawrence R. Swan.....Moundman.

Hubert D. Page Jr.,.....Axman.

Hubert D. Page Jr.,.....Flagman.

BOOK 4-312

INDEX DIAGRAM.

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*Meanders Page* \_\_\_\_\_

BUCK R.

PRELIMINARY OATHS OF ASSISTANTS.

We, William D. Halquist and Lawrence K. Swan,  
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the  
chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that  
we will report the true distances to all notable objects, and the true lengths of all lines that we assist in  
measuring, to the best of our skill and ability, and in accordance with instructions given us, in the <sup>corrective</sup> survey of  
Subdivision of Township 4 S., R. 8 W., of Mintah Special Base,  
and Meridian, Utah. William D. Halquist, Chainman.  
Lawrence K. Swan, Chainman.

Subscribed and sworn to before me this 24<sup>th</sup> }  
day of June, 1905 }



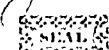
George L. Brown,

U.S. Deputy Surveyor

We, Lawrence K. Swan and man,  
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment  
of corners, according to the instructions given us, to the best of our skill and ability, in the <sup>corrective</sup> survey of  
Subdivision of Township 4 S., Range 8 W. of Mintah Special  
Base and Meridian, Utah. Lawrence K. Swan, Moundman.

George L. Brown,  
Moundman.

Subscribed and sworn to before me this 24<sup>th</sup> }  
day of June, 1905 }



George L. Brown,

U.S. Deputy Surveyor

We, Hubert D. Page Jr. and man,  
do solemnly swear that we will well and truly perform the duties of axeman in the establishment of corners  
and other duties, according to instructions given us, to the best of our skill and ability, in the survey of  
Subdivision of Township 4 S., Range 8 W. of Mintah Special  
Base and Meridian, Utah. Hubert D. Page Jr., Axeman.

George L. Brown,  
Axeman.

Subscribed and sworn to before me this 24<sup>th</sup> }  
day of June, 1905 }



George L. Brown,

U.S. Deputy Surveyor

I, Hubert D. Page Jr., do solemnly swear that I will well and truly  
perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the  
<sup>corrective</sup> survey of Subdivision of Township 4 S., Range 8 W. of Mintah  
Special Base and Meridian, Utah. Hubert D. Page Jr., Flagman.

Subscribed and sworn to before me this 24<sup>th</sup> }  
day of June, 1905 }



George L. Brown,

U.S. Deputy Surveyor

## CORRECTIVE NOTES

OF

## SUBDIVISION OF TP. 4. S., R. 8 W., U.S.B. &amp; M.

## CHAINS

Survey commenced June 25th., 1905, and executed with a W. and L. E. Gurley light mountain transit, No.-, with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other, read to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs.

The instrument was examined, tested on the true meridian at Salt Lake City, found correct, and was approved by the surveyor general for Utah, September 19th., 1903.

I examine the adjustments of the transit, and correct the level and collimation errors; then to test the solar apparatus, by comparing its indications, resulting from solar observations made during a.m. and p.m. hours, with a meridian determined by observations on Polaris, I proceed as follows:

At the corner of sections 4, 5, 8 and 9, which is a sandstone 15x5x4 ins. above ground, firmly set, mkd. and witnessed as described in the original field notes; I set off  $40^{\circ}10'N.$  on lat. arc;  $23^{\circ}25'N.$  on decl. arc, and at 5h. 0m. p.m., l.m.t., determine with the solar a meridian and mark a point thereof, on a stone firmly set in the ground, 5 chs. N. of the cor.

June 25th., 1905.

---

June 26th., 1905,

At 1h. 14m. a.m., l.m.t., I observe Polaris at eastern elongation, in accordance with Manual of Instructions, and mark a point in the line thus determined, on a peg driven in the ground, 5 chs. N. of my station.

At 7h. 0m. a.m., l.m.t., I lay off the azimuth of Polaris,  $1^{\circ}34'$  to the west, and mark the meridian thus determined, by cutting a small groove in the stone set June 25th., on which the meridian falls 0.4 ins. east of the mark determined by the solar.

## CORRECTIVE NOTES

OF

SUBDIVISION OF TP. 4 S., R. 8 W., U.S.B. &amp; M.

## CHAINS

At 8h. 0m., a.m., l.m.t., I set off  $40^{\circ}10'N.$  on lat. arc;  $23^{\circ}24'N.$  on decl. arc; and mark a point in the meridian determined with the solar, by a cross on the stone already set 5 chs. N. of my station; this mark falls 0.3 ins. east of the meridian established by the Polaris observation.

The solar apparatus, by p.m. and a.m. observations, defines positions for meridians, respectively about  $0'21''$  west and  $0'16''$  east of the meridian established by the Polaris observations; therefore, I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian, at 8h. 30m. a.m., l.m.t., is N. $16^{\circ}45'W.$ , the angle thus determined gives the magnetic decl.  $16^{\circ}45'E.$

From the cor. already described, I retrace.

N. $0^{\circ}9'W.$  bet. secs. 4 and 5.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

Old  $\frac{1}{4}$  cor. bears W. 130 lks., I destroy all trace of same.

79.95 Intersect N. bdy. of Tp. 21 lks. W. of the cor. of secs.

4, 5, 32 and 33, thence I run,

South on true line bet. secs. 4 and 5.

Ascending N. slope of mt., through scattering cedar and pine timber, and dense oak, sage and service berry brush.

18.50 Ridge, bears NE. and SW.

Desc. through heavy cedar and pine timber.

28.75 Ravine, 350 ft. deep, course NE.

39.95 400 ft. above Tp. line, set a sandstone 15x10x5 ins., 10 ins. in the ground, for  $\frac{1}{4}$  sec. cor., mkd.  $\frac{1}{4}$  on W. face; from which

A pinon pine tree 14 ins. diam., bears S. $52^{\circ}E.$ , 4 lks. dist., mkd.  $\frac{1}{4}$  S 4 B.T.

A pinon pine tree 10 ins. diam., bears S. $67^{\circ}W.$ , 20 lks. dist., mkd.  $\frac{1}{4}$  S 5 B.T.

CORRECTIVE NOTES

of

SUBDIVISION OF TP. 4 S., R. 8 W., U.S.B. & M.

CHAINS

- 44.00 Leave timber, bears NW. and SE.
- 74.00 Ridge 500ft. above  $\frac{1}{4}$  sec. cor., bears NE. and SW.  
Descend.
- 79.95 The cor. of secs. 4, 5, 8 and 9.  
Land mountainous.  
Soil stony; 3rd. rate.  
Timber pine and cedar.  
Mountainous land, dense undergrowth, and heavy timber.
- 79.95 chs.

---

From the cor. of secs. 5, 6, 7 and 8, which is a sand  
stone 12x5x6 ins. above ground, mkd. and witnessed as  
described in the original field notes, I retrace  
N.89°57'E. bet. secs. 5 and 8.

- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 41.60 Old  $\frac{1}{4}$  sec. cor. 11 lks. S.; I destroy all trace of same.
- 80.20 Intersect N. and S. line, 9 lks. S. of the cor. of secs.  
4, 5, 8 and 9.  
Thence I run  
S.89°53'W. on a true line bet. secs. 5 and 8.  
Asc. over mountainous land, through dense sage and oak  
brush.
- 2.00 Ridge, bears NE. and SW. Desc.
- 26.50 Ravine, 200 ft. deep, course NE. Asc.
- 40.10 Set a shale rock 18x16x3 ins., 12 ins. in the ground, for  
 $\frac{1}{4}$  sec. cor., mkd.  $\frac{1}{4}$  on N. face; and raise a md. of stone,  
2 ft. base,  $1\frac{1}{2}$  ft. high, N. of the cor.
- 45.50 Ridge, bears NE. and SW. Descend.
- 67.30 Ravine, 250 ft. deep, course NE. Asc.
- 78.50 Ridge, bears NE. and SW. Desc.
- 80.20 The Cor. of secs. 5, 6, 7 and 8.  
Land mountainous.  
Soil stony; 4th. rate.  
No timber.

CORRECTIVE NOTES

of

SUBDIVISION OF TP. 4 S., R. 8 W., U.S.B. & M.

CHAINS

Mountainous land covered with dense undergrowth. 80.20 chs.

S.89°53'W. on retracement

bet. secs. 6 and 7.

40.00 I find old  $\frac{1}{4}$  sec. cor., which is a sandstone 15x6x6 ins. above ground, firmly set, mkd. and witnessed as described in the original field notes, 7 lks. S.

79.65 Intersect W. bdy. of Tp., 14 lks. N. of the cor. of secs. 1, 6, 7 and 12.

The course of this line is therefore N.89°47'E.

No change in topography on this line.

June 26th.; At this corner I set off 23°23'N. on decl.

arc; and at 12h. 2m., 1.m.t., observe the sun on the meridian; the resulting lat. is 40°10'N.

From the cor. of secs. 5, 6, 7 and 8, I retrace N. 0°8'W. bet. secs. 5 and 6.

40.00 I find old  $\frac{1}{4}$  sec. cor., which is a limestone 11x5x5 ins. above ground, firmly set, mkd. and witnessed as described in the original field notes, 3 lks. west.

79.96 The cor. of secs. 5, 6, 31 and 32 on N. bdy. of Tp, 7 lks. W., which is a sandstone 12x6x6 ins. above ground, firmly set, mkd. and witnesses as described in the original field notes.

The course of this line is therefore S.0°11'E.

No change in topography on this line

*George O'Brien* June 26th., 1905.  
*U.S. Deputy Surveyor*

There being no notary public or other officer authorized to administer oaths, within reasonable distance, in order to save time and expense, I administer the preliminary and final oaths myself.

CORRECTIVE NOTES  
of  
SUBDIVISION OF TP. 4 S., R. 8 W., U.S.B. & M.

*George C. Swan*

U. S. Deputy Surveyor.

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## FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

## LIST OF NAMES.

A list of the names of the individuals employed by George C. Swan,  
 United States Deputy Surveyor, to assist in running, measuring, and  
 marking the lines and corners described in the foregoing field notes of the survey of Subdivision  
of Township 4 S., R. 8 W., of Uintah Special Base and Meridian  
Utah, showing the respective capacities in which they acted:

William D. Walquist, Chainman.

Lawrence K. Swan, Chainman.

Lawrence K. Swan, Moundman.

Moundman.

Hubert H. Page Jr., Axman.

Axman.

Hubert H. Page Jr., Flagman.

## FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted George C. Swan,

United States Deputy Surveyor, in surveying all  
 those parts or portions of the Subdivision

of

Township 4 S., R. 8 W.,

of the Uintah

Special Base and meridian, State of Utah, which are represented  
 in the foregoing field notes as having been surveyed by him and under his direction; and that said survey  
 has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the  
 corner monuments established, according to the instructions furnished by the United States Surveyor  
 General for Utah.

William D. Walquist, Chainman.

Lawrence K. Swan, Chainman.

Lawrence K. Swan, Moundman.

Moundman.

Hubert H. Page Jr., Axman.

Axman.

Hubert H. Page Jr., Flagman.

Subscribed and sworn to before me this 1st

day of July, 1905.



George C. Swan,  
 U.S. Deputy Surveyor.

## FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, George C. Swan, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Edward H. Alderson, United States Surveyor General for Utah, bearing date of the 10th day of September, 1903, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Utah, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of Subdivision of Township 4 S., R. 8 W.

of the Uintah Special  
Line and meridian, in the State of Utah, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for Utah, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

George C. Swan  
 United States Deputy Surveyor.

Subscribed by said George C. Swan and sworn to before me,

this 31<sup>st</sup> day of July, 1903.

○○○○○  
 ○ SEAL ○  
 ○○○○○

Edward H. Alderson  
 U.S. Surveyor General  
 for Utah.

## APPROVAL.

## OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Dall Lake City, Utah, August 2, 1903

Contract The foregoing field notes of the survey of the subdivisions of Township  
of South Range & West of the Uintah Special Line and  
Meridian, Utah.

executed by George C. Swan & Frederick F. Ford  
 under the Contract No. 278, dated September 10, 1903, having been  
 critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Edward H. Alderson  
 United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in .....  
 ..... has been correctly copied from the original notes on file in this office.

United States Surveyor General.

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BOOK A-312

D.

FILED

SEP 30 1904

W.H.D.

## FIELD NOTES

OF THE SURVEY OF THE

North

Boundary of  
 Township No. 4 South  
 Range no. 8 West

of the Mintak special base <sup>3rd</sup> Meridian,  
 In the state of Utah

AS SURVEYED BY

George C. Swan & Frederick C. Dawson United States Deputy Surveyors  
 Under his Contract No. 278, dated September 10<sup>th</sup>, 1903  
 Survey commenced Oct 7<sup>th</sup>, 1903  
 Survey completed Oct 8<sup>th</sup>, 1903

Sept 5, 1930 ✓

## NAMES AND DUTIES OF ASSISTANTS.

Byron S. Kershaw chairman

Hubert D. Page. "

Charles Jorden moundsman

Len E. Duncan axman

Herman Wagner flagman

Should have credit for N. S. F.

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*Meanders Page* \_\_\_\_\_

B U 10  
PRELIMINARY OATHS OF ASSISTANTS.

WE, Byron S. Kershaw

and Hubert D. Page.

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of North Cty. of Pts. 2, 3 & 4 S. R. 8 N., 4th C. bdy. of P. 1 S. R. 8 N. of the Uintah Special base and meridian, state of Utah.

Byron S. Kershaw, Chainman.

Hubert D. Page, Chainman.

Subscribed and sworn to before me this 4  
day of October, 1903



WE, I Charles Jourden

Frederick C. Ferron

U.S. Deputy Surveyor

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given me, to the best of my skill and ability, in the survey of C. bdy. Pts. 2, 3 & 4 S. R. 8 N., 4th C. bdy. P. 1 S. R. 8 N. of the Uintah Special base and meridian, state of Utah.

Charles Jourden

, Moundman.

Charles Jourden, Moundman.

Subscribed and sworn to before me this 4  
day of October, 1903



WE, Lew C. Duncan

Frederick C. Ferron

U.S. Deputy Surveyor

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given me, to the best of my skill and ability, in the survey of N. bdy. Pts. 2, 3 & 4 S. R. 8 N., 4th C. bdy. P. 1 S. R. 8 N. of the Uintah Special base and meridian, state of Utah.

Lew C. Duncan, Axman.

, Axman.

Subscribed and sworn to before me this 21  
day of October, 1903



I, Herman Wagner

Frederick C. Ferron

U.S. Deputy Surveyor

do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of N. bdy. Pts. 2, 3 & 4 S. R. 8 N., 4th C. bdy. P. 1 S. R. 8 N. of the Uintah Special base and meridian, state of Utah.

Herman Wagner, Flagman.

Subscribed and sworn to before me this 4  
day of October, 1903



Frederick C. Ferron

U.S. Deputy Surveyor

## NORTH BOUNDARY TP.4 S.R.8 W. U.S.B.&amp; M.

## CHAINS.

Survey commenced October 7, 1903, and executed with the instrument described in book "A" of this survey. I know the instrument to be in adjustment, from recent tests made at the standard corner of Tp.4 S.Rgs.8 and 9 W. October 4th and 5th, and recorded in book "B" of this survey.

At the corner of Tps.3 and 4 S., Rgs.7 and 8 W., which is a sandstone 16x7x5 ins. above ground, firmly set and marked and witnessed as described by the surveyor general, at 7 h.a.m.l.m.t., I set off  $40^{\circ}11'N.$  on lat.arc;  $5^{\circ}07'S.$  on decl.arc, and determine a true meridian with the solar. Thence I run west on a random line along north boundary of Tp., setting temp.  $\frac{1}{4}$  section and section corners at intervals of .40:00' chs.; and at .479:30 chs. intersect N. and S. line 28 lks. S. of the corner of Tps.3 and 4 S., Rgs. 8 and 9 W., heretofore described. The course of this line is therefore S. $89^{\circ}58'E.$

October 7, 1903.

October 8, at the corner of Tps.3 and 4 S., Rgs.8 and 9 W. heretofore described, I set off  $40^{\circ}11'N.$  on lat.arc;  $5^{\circ}30'S.$  on decl.arc; and at 7 h.a.m.l.m.t. determine a true meridian with the solar.

Thence I run

S. $89^{\circ}58'E.$  on N.bdy. of township,

Bet. secs. 6 and 51

Ascending through dense sage and oak brush, over stony land.

8.50 Enter heavy cedar and pinon pine timber, bears N.W. and S.E.

19.50 Ridge bears N.E. and S.W.

29.75 Ravine 100 ft. deep, course N.E.

Leave timber, bears N. and S.

39.30 Spur projects N.

Set a sandstone 20x12x4 ins. 15 ins. in the ground, for  $\frac{1}{2}$  sec.cor., marked  $\frac{1}{4}$  on N.face; raised a mound of stone 2

## NORTH BOUNDARY TP.4 S.R.8 W.U.S.B.&amp; M.

## CHAINS

base  $1\frac{1}{2}$  ft. high N. of cor. Pits impracticable.

Descend.

42.70 Ravine 100 ft. deep, course N.E.; ascend.

49.50 Spur projects N.; descend. Enter heavy cedar and pinon timber.

54.75 Ravine 200 ft. deep, course N.W.; ascend.

60.50 Ridge bears N. and S.; descend.

77.00 Ravine 100 ft. deep, course N.; ascend.

79.30 Set a sandstone 18x12x6 ins. 12 ins. in the ground, for co. of secs. 5-6-31 and 32, marked with 1 notch on W. and 5 notches on E. edges; from which

A pinon pine 5 ins. diam. bears N.  $41^{\circ}$  E. 20 lks. dist.  
marked T 3 S R 8 W S 32 B T

A cedar 3 ins. diam. bears S.  $12^{\circ}$  E. 23 lks. dist.  
marked T 4 S R 8 W S 5 B T

A pinon pine 10 ins. diam. bears S.  $65^{\circ}$  W. 40 lks. dist.  
marked T 4 S R 8 W S 6 B T

A pinon pine 6 ins. diam. bears N.  $58^{\circ}$  W. 91 lks. dist.  
marked T 3 S R 8 W S 31 B T

Land mountainous.

Soil stony; 3rd and 4th rates.

Timber cedar and pinon.

Mountainous land, heavy timber, and dense undergrowth

79.30 chs.

S.  $89^{\circ}58'$  E. bet. secs. 5 and 32

Ascend over stony land; through heavy cedar and pinon timber.

5.00 Ridge bears N. and S.; descend.

30.00 Leave timber bears N. and S.

34.00 Enter heavy cedar and pinon timber, bears N. and S.

40.00 Set a sandstone 15x12x10 ins. 10 ins. in the ground, for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on N. face; from which

A pinon pine tree 8 ins. diam. bears S.  $72^{\circ}$  E. 10 lks.  
dist., marked  $\frac{1}{4}$  S 5 B T

## NORTH BOUNDARY TP.4 S.R.8 W.U.S.B.&amp; M.

## CHAINS.

- A pine tree 12 ins.diam.bears N.43°W.18 lks.dist.  
marked  $\frac{1}{4}$  S 32 B T
- 44.50 Ravine 300 ft.deep, course N.E.  
Leave timber bears N.E. and S.W.
- 80.00 Set a sandstone 20x13x6 ins.15 ins.in the ground,for  
corner of secs.4-5-32 and 33,marked with 2 notches on  
W.and 4 notches on E.edges;from which  
A lone pinon pine,9 ins.diam.bears N.44°W.60 lks.  
dist.,marked T 5 S R 8 W S 32 B T
- Raise a mound of stone 2 ft.base 1 $\frac{1}{2}$  ft.high W.of cor.  
Pits impracticable.
- Land mountainous.
- Soil stony;3rd rate.
- Timber cedar and pinon pine.
- Mountainous land,heavy timber, and dense undergrowth  
80.00 cho.
- 
- S.89°S8'E,bet.seccts.4 and 73  
Abounding through scattering pinon pine and cedar tim-  
ber;over stony soil.
- 61.00 Ridge bears N.and S.;
- Descent over broken land.
- 64.00 Set a sandstone 15x9x6 ins.10 ins.in the ground,for  $\frac{1}{4}$   
sec.cor.,marked  $\frac{1}{4}$  on N.face;dig pits 18x18x12 ins.N.and  
W.of stone 3 ft.dist.,and raise a mound of earth 3 $\frac{1}{2}$  ft.  
base 1 $\frac{1}{2}$  ft.high N.of cor.
- 74.00 Ravine 400 ft.below  $\frac{1}{4}$  sec.cor.,course N.E.  
Ascend.
- 80.00 Set a sandstone 22x12x4 ins.16 ins.in the ground,for  
cor.of secs.3-4-33 and 34,marked with 3 notches on N.  
and W.edges;from which  
A pinon pine 8 ins.diam.bears N.38°E.42 lk dist.  
marked T 3 S R 8 W S 34 B T  
A pinon pine 5 ins.diam.bears S.48°E.21 lks.dist.

## NORTH BOUNDARY TP.4 S.R.8 W.U.S.B.&amp; M.

CHAINS. marked T 4 S R 8 W S 3 B T

A pinon pine 8 ins.diam.bears S.67°W.42 lks.dist.

marked T 4 S R 8 W S 4 B T

A pinon pine 7 ins.diam.bears N.28°W.31 lks.dist.

marked T 3 S R 8 W S 33 B T

Land mountainous.

Soil stony; 3rd.rate.

Timber cedar and pinon.

Mountainous land 80.00 chs.

At this corner I set off 5°38'S.on decl.arc, and at 11 h. 48 m.a.m.l.m.t.observe the sun on the meridian; the resulting lat.is 40°11'N.

S.89°58'E.bet.secs.3 and 34

Ascending through heavy cedar and pinon timber.

7.00 Ridge bears S.W.and N.80°E.

Descend.

40.00 Set a sandstone 15x10x6 ins.10 ins.in the ground,for  $\frac{1}{4}$  sec.cor.,marked  $\frac{1}{4}$  on N.face;from which

A cedar 15 ins.diam.bears N.57°E.30 lks.dist.

marked  $\frac{1}{4}$  S 34 B T

A pinon pine tree 20 ins.diam.bears S.W.64 lks.dist.

marked  $\frac{1}{4}$  S 3 B T

49.85 Sandstone cliffs 75 ft.high,bear N.W.and S.E.

Descend through scattering cedar and pinon pine timber.

80.0 400 ft.below  $\frac{1}{4}$  sec.cor, on spur,projects S.E.

Set a sandstone 20x10x6 ins.15 int.in the ground,for cor.of secs.2-3-34 and 35,marked with 2 notches on E. and 4 notches on W.edges;from which

A cedar 10 ins.diam.bears N.60°E.73 lks.dist.

marked T 3 S R 8 W S 35 B T

A cedar 36 ins.diam.bears S.81°E.82 lks.dist.

marked T 4 S R 8 W S 2 B T

NORTH BOUNDARY TP.4 S.R.8 W U.S.B.& M.

CHAINS.

A cedar 5 ins.diam.bears S.84°W.60 lks.dist.

marked T 4 S R 8 W S 3 B T

A cedar 12 ins.diam.bears N.24 $\frac{1}{2}$ °W.66 lks.dist.

marked T 3 S R 8 W S 34 B T

Land mountainous.

Soil stony;4th.rate.

Timber cedar and pinon pine.

Mountainous land and heavy timber 80.00 chs.

S.89°58'E.betsecs.2 and 35

Descend over stony land;through dense sagebrush.

5.30 Foot of mountain;enter Red Creek Bottom,bears N.and S.

16.00 Red Creek,40 lks.wide,course S.,in canon 1200 ft.deep.

26.80 Leave bottom,bears N.and S.

Ascend mountain.

32.50 Spur projects S.W.

Descend.

36.50 Ravine 300 ft.deep,course S.W.;ascend.

40.00 Falls on slide, $\frac{1}{4}$  sec.cor.not set.

43.00 On spur,projects N.W.,

Set a sandstone 20x8x10 ins.15 ins.in the ground,for  
witness  $\frac{1}{4}$  sec.cor.,marked W C  $\frac{1}{4}$  on N.face;from which

A pinon pine 6 ins.diam.bears N.85°E.73 lks.dist.

marked W C  $\frac{1}{4}$  S 35 B TA pinon pine  $\frac{1}{4}$  ins.diam.bears S.20°W.50 lks.dist.marked W C  $\frac{1}{4}$  S 2 B T

Descend through scattering cedar and pinon pine timber.

43.00 Hollow course N.W.

74.00 Spur projects N.W.;descend.

80.00 Set a sandstone 20x10x6 ins.15 ins.in the ground,for  
corner of secs.1-2-35 and 36,marked with 1 notch on E.  
and 5 notches on W.edges;from which

A cedar 12 ins.diam.bears N.1°E.50 lks.dist.

## NORTH BOUNDARY TP.4 S.R.8 W.U.S.B.&amp; M.

CHAINS.

marked T 3 S R 8 W S 36 B T

A pinon pine 12 ins.diam.bears S.50°E.82 lks.dist.

marked T 4 S R 8 W S 1 B T

A pinon pine 20 ins.diam.bears S.78°W.62 lks.dist.

marked T 4 S R 8 W S 2 B T

A pinon pine 12 ins.diam.bears N.18°W.75 lks.dist.

marked T 3 S R 8 W S 35 B T

Land mountainous.

Soil stony;2nd and 4th rate.

Timber cedar and pinon.

Mountainous land and heavy timber 80.00 chs.

S.89°58'E.bet.sec.1 and 36

Descending over stony land;through heavy cedar and pinon pine timber.

0.15 Ravine 400 ft.deep.course N.W.;asc nd.

17.00 Side of knoll and ridge;top 50 lks.S.

Descend.

32.00 Ravine 300 ft.deep, course N.W.

Ascend through scattering cedar and pinon pine timber.

40.00 Set a sandstone 15x12x7 ins.10 ins.in the ground,for<sup>1</sup>  
sec.cor.,marked  $\frac{1}{4}$  on N.face;and raised a mound of stone  
2 ft.base  $1\frac{1}{2}$  ft.high N.of cor. Pits impracticable.

74.00 Spur ridge projects N.

Descend. Leave timber bears N. and S.

80.00 The cor.of Tps.3 and 4 S.Rgs.7 and 8 W.,heretofore de-  
scribed.

Land mountainous.

Soil stony;4th.rate.

Timber cedar and pinon pine.

Mountainous land and heavy timber 80.00 chs.

October 8, 1903.

NORTH BOUNDARY T.4 S R.8 W.U.S.B.& M.

For general description see subdivision notes  
of this township.

*Frederick C. Ferron.*

U.S.Deputy Surveyor.

There being no notary public, or other officer au-  
thorized to administer oaths, within reasonable distance,  
at the beginning or ending of this survey; therefore in  
order to save time and expense I administer the prelim-  
inary and final oaths myself.

U.S.Deputy Surveyor.

*Frederick C. Ferron.*

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**FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.****LIST OF NAMES.**

A list of the names of the individuals employed by \_\_\_\_\_, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of \_\_\_\_\_ showing the respective capacities in which they acted:

For final affidavits see book "G" T.1 S.R.8 W. \_\_\_\_\_, *Chairman*.  
 \_\_\_\_\_, *Chairman*.  
 \_\_\_\_\_, *Moundman*.  
 \_\_\_\_\_, *Moundman*.  
 \_\_\_\_\_, *Axman*.  
 \_\_\_\_\_, *Axman*.  
 \_\_\_\_\_, *Flagman*.

**FINAL OATH OF ASSISTANTS.**

We hereby certify that we assisted \_\_\_\_\_, United States Deputy Surveyor, in surveying all those parts or portions of the \_\_\_\_\_

of the \_\_\_\_\_  
 meridian, \_\_\_\_\_ of \_\_\_\_\_, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor

General for \_\_\_\_\_

For final affidavits see book "G" T.1 S.R.8 W. \_\_\_\_\_, *Chairman*.  
 \_\_\_\_\_, *Chairman*.  
 \_\_\_\_\_, *Moundman*.  
 \_\_\_\_\_, *Moundman*.  
 \_\_\_\_\_, *Axman*.  
 \_\_\_\_\_, *Axman*.  
 \_\_\_\_\_, *Flagman*.

Subscribed and sworn to before me this \_\_\_\_\_  
 day of \_\_\_\_\_, 190 \_\_\_\_\_ }



MUN V-3

**FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.**

I, \_\_\_\_\_, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from \_\_\_\_\_, United States Surveyor General for \_\_\_\_\_, bearing date of the day of \_\_\_\_\_, 190\_\_\_\_\_, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for \_\_\_\_\_, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of \_\_\_\_\_.

For final affidavit see book "G" T. 1 S. R. 8 W.

of the \_\_\_\_\_ meridian, in the \_\_\_\_\_ of \_\_\_\_\_, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for \_\_\_\_\_, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

*United States Deputy Surveyor.*

Subscribed by said \_\_\_\_\_, and sworn to before me }  
this \_\_\_\_\_ day of \_\_\_\_\_, 190\_\_\_\_\_ }



**APPROVAL.**

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, December 20, 1904.

The foregoing field notes of the survey of the North Boundary of Township No. 4 South, Range No. 8 West of the Uintah Special Base and Meridian, Utah,

executed by George C. Swan and Frederick C. Ferron  
under their contract No. 278, dated September 10, 1903, having been  
critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Edward M. Anderson  
United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in \_\_\_\_\_, has been correctly copied from the original notes on file in this office.

*United States Surveyor General.*

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4-679.

BOOK A-312

E.

FILED

SEP 30 1904

# FIELD NOTES

OF THE SURVEY OF THE

*a.e.*  
North  
Boundary of  
Township No. 3 South  
Range No. 8 West

of the ~~Miner~~ Special <sup>base</sup> Meridian,

In the State of Utah

AS SURVEYED BY

George C. and Frederick C. Brown, United States Deputy Surveyors

Under their Contract No. 278, dated Sept. 10<sup>th</sup>, 1893.

Survey commenced October 10<sup>th</sup>, 1893.

Survey completed October 10<sup>th</sup>, 1893.

6-161

1578 057

**NAMES AND DUTIES OF ASSISTANTS.**

Byron S. Kershaw : chairman

Gilbert D. Page

Charles Jourden Moundman

Tens T. Duncan Alman

Herman Wagner flagman

For preliminary affidavits see book #D- T.4 S.R.8 W.

BOOK A-312

INDEX DIAGRAM.

*Township* \_\_\_\_\_, *Range* \_\_\_\_\_

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31	32	33	34	35	36

*Meanders Page* \_\_\_\_\_

## PRELIMINARY OATHS OF ASSISTANTS.

WE, \_\_\_\_\_ and \_\_\_\_\_  
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

\_\_\_\_\_, Chainman.

\_\_\_\_\_, Chainman.

Subscribed and sworn to before me this \_\_\_\_\_ }  
day of \_\_\_\_\_, 190 }



WE, \_\_\_\_\_ and \_\_\_\_\_  
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

\_\_\_\_\_, Moundman.

\_\_\_\_\_, Moundman.

Subscribed and sworn to before me this \_\_\_\_\_ }  
day of \_\_\_\_\_, 190 }



WE, \_\_\_\_\_ and \_\_\_\_\_  
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

\_\_\_\_\_, Axman.

\_\_\_\_\_, Axman.

Subscribed and sworn to before me this \_\_\_\_\_ }  
day of \_\_\_\_\_, 190 }



I, \_\_\_\_\_, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of \_\_\_\_\_

\_\_\_\_\_, Flagman.

Subscribed and sworn to before me this \_\_\_\_\_ }  
day of \_\_\_\_\_, 190 }



## NORTH BOUNDARY T.3 S.R.8 W.

Chains

Survey commenced October 10th 1903.  
 and executed with the instrument described in book "P"  
 I know from recent test made at the standard cor. Tp. 4  
 S., R. 8 and 9 W. that the instrument is in adjustment.  
 October 10th 1903, at the cor. of Tps. 2 and 3 S. Rs. 7 and  
 8 W., which is a sandstone 6x8x8 ins. above ground, firmly  
 set and marked and witnessed as described by Deputies  
 Stewart and Booth under their contract No. 270, at 8 h.  
 $0^{\circ}19' S.$  on decl.;  $40^{\circ}16' N.$  on  
 lat. arc, and determine a true meridian with the solar;  
 Thence I run

West on a random line along the N.bdy. of T.3 S.R.8 W.  
 setting temp., sec. and sec. cors. at intervals of 40.00  
 chs.; and at 478.05 chs. intersect the Second Guide Me-  
 ridian West 42 lks. S. of the corner of Tps. 2 and 3 S. Rs.  
 6 and 7 W., heretofore described. The falling answers to  
 a correction of  $0^{\circ}03'$ , or 7 M.e.N. per mile, counting  
 from E.E. of Tp.; therefore I run

$S.89^{\circ}57'E.$  on true line bet. secs. 6 and 31

Descending over broken stony land; through dense ar-  
 temisia and heavy cedar and pinon pine timber.

11.50 Leave cedar and pinon pine timber bears N. and S.

12.00 Red Creek 15 lks. wide course  $S.10^{\circ}E.$

18.00 Leave creek bottom; ascend over broken sandstone ledges  
 bear NW. and SE.

26.00 Ridge bears NW. and SE. Descend.

Enter cedar and pinon pine timber; bears NW. and SE.

32.05 Set a sandstone 15x8x6 ins. 10 ins. in the ground for  $\frac{1}{4}$   
 sec. cor., marked  $\frac{1}{4}$  on N. face; from which

A pine 24 ins. diam. bears  $N.30^{\circ}W.$  65 lks. dist.  
 marked  $\frac{1}{4}$  S 31 B T

A cedar 36 ins. diam. bears  $S.3^{\circ}E.$  50 lks. dist.  
 marked  $\frac{1}{4}$  S 6 B T

39.00 Dry run course S.

78.05 Set a cedar post 4 ins. square 3 ft. long 24 ins. in the

NORTH BOUNDARY T.3 S.R.8 W.

Chains ground for cor.of secs.5,6,31 and 32,marked

T 2 S S 32 on NE.

R 8 W S 5 on SE.

S 6 on SW.,and

S 31 on NW faces,with 1 notch on W.and 5 notches  
on E.edges;from which

A cedar 12 ins.diam.bears N. $89^{\circ}$ E.5 lks.dist.

marked T 2 S R 8 W S 32 B T

A cedar 8 ins.diam.bears S. $8^{\circ}$ E.58 lks.dist.

marked T 3 S R 8 W S 5 B T

A cedar 30 ins.diam.bears S. $15^{\circ}$ W.41 lks.dist.

marked T 3 S R 8 W S 6 B T

A cedar 14 ins.diam.bears N. $18^{\circ}$ W.9 lks.dist.

marked T 2 S R 8 W S 31 B T

Land mountainous.

Soil stony 2d and 4th rate.

Timber cedar and pinon pine.

Mountainous and heavily timbered land 78.05 ahs.

---

S. $89^{\circ}57'$ E.betsecs.5 and 32

Over rolling land;through dense sagebrush and heavy  
cedar and pinon pine timber.

21.00 Dry run course S.

26.00 Road bears N.and S.

28.00 Sandstone ledges 20 ft.high bear N.and S.

40.00 Set a sandstone 15x12x6 ins.10 ins.in the ground for  $\frac{1}{4}$   
sec.cor.,marked  $\frac{1}{4}$  on N.face;from which,  
A pine 24 ins.diam.bears S.W.9 lks.dist.

marked  $\frac{1}{4}$  S 5 B T

A cedar 10 ins.diam.bears N. $53^{\circ}$ E.19 lks.dist.

marked  $\frac{1}{4}$  S 32 B T

61.00 Ravine 150 ft.below corner course S.

71.00 Sandstone ledges bear N.and S.

80.00 Set a sandstone 15x10x8 ins.10 ins.in the ground

NORTH BOUNDARY T.3 S.R.8 W.

Chains.

for cor.of secs.4,5,32, and 33,marked with 2 notches on W.and 4 notches on E.edges;from which

A pine 24 ins.diam.bears N. $89^{\circ}30'$ E.285 lks.dist.

marked T 2 S R 8 W S 33 B T

A pine 14 ins.diam.bears S.E.53 lks.dist.

marked T 3 S R 8 W S 4 B T

A cedar 30 ins.diam.bears S. $17^{\circ}$ W.53 lks.dist.

marked T 3 S R 8 W S 5 P T

A cedar 5 ins.diam.bears N. $4^{\circ}15'$ W.56 lks.dist.

marked T 2 S R 8 W S 32 B T

Land. rolling.

Soil stony and clay 2d and 3d rate.

Timber cedar and pinon pine.

Heavily timbered land covered with dense undergrowth  
80.00 chs.

October 10, 1903, at this corner I set off  $6^{\circ}24'$  S.on  
decl.arc, and at 11 h.47 m.a.m.l.m.t. observe the sun  
on the meridian the resulting lat.is  $40^{\circ}16'N.$

S. $89^{\circ}57'E.$ bnt:secs.4 and 33

Ascending over stony broken land through heavy cedar  
and pinon pine timber.

20.50 Spur projects S.; thence over broken ledges. Descend.

39.80 Ravine 75 ft.deep, course SW.

40.00 Set a sandstone 14x12x4 ins.9 ins.in the ground for  $\frac{1}{2}$   
sec.cor.,marked  $\frac{1}{2}$  on N.face;from which

A cedar 10 ins.diam.bears S. $40^{\circ}E.$ 37 lks.dist.

marked  $\frac{1}{2}$  S 4 B T

A cedar 20 ins.diam.bears N. $4^{\circ}W.$ 17 lks.dist.

marked  $\frac{1}{2}$  S 33 B T

44.50 Spur projects sw.;descend.

52.00 Ravine 250 ft.deep, course SW.

NORTH BOUNDARY T.37S.R.28W.

Chains  
56.50 Broken sandstone ledges bear N. and S.  
70.00 Spur ridge, projects S.  
Descend.  
75.00 Hollow drains SE.  
80.00 Falls among boulders  
Point for section corner falls on a sandstone boulder  
8x5x5 ft. above ground, on which  
Cut a cross (X) at point for corner of secs. 3, 4, 33, and  
34, marked 3 notches on E. and 3 notches on W. of cross  
from which  
A pine 14 ins. diam. bears N.8°E. 95 lks. dist.  
marked T 2 S R 8 W S 34 B T  
A cedar 24 ins. diam. bears S.30°E. 44 lks. dist.  
marked T 3 S R 8 W S 3 B T  
A boulder bears S.69°W. 23 lks. dist.  
marked T 3 S R 8 W S 4 B 0  
A boulder bears N.49°W. 40 lks. dist.  
marked T 2 S R 8 W S 33 B 0  
Land mountainous.  
Soil stony 3d and 4th rate.  
Timber cedar and pinon pine.  
Mountainous or heavily timbered land 80.00 chs.

---

S.89°57'E. bet. secs. 3 and 34  
Descending over broken ledges and land; through heavy  
cedar and pinon pine timber.  
20.00 Ravine 300 ft. deep, course S. Ascend.  
26.00 Spur projects S.  
40.00 Set a sandstone 18x10x7 ins. 12 ins. in the ground for  $\frac{1}{4}$   
sec. cor., marked  $\frac{1}{4}$  on N. face; from which  
A cedar 12 ins. diam. bears N.5°W. 31 lks. dist.  
marked  $\frac{1}{4}$  S 34 B T S 34 B T  
A cedar 8 ins. diam. Bears S.49°W. 25 lks. dist.  
marked  $\frac{1}{4}$  S 3 B T S 3 B T

NORTH BOUNDARY T.3 S.R.8 W.

Chains  
 48.00 Leave cedar and pinon pine timber; enter dense sagebrush bears N. and S.  
 48.50 Wash 30 ft. wide 12 ft. deep, drains S.  
 57.50 Old road bears N. and S.  
 63.00 Wash 150 ft. wide 10 ft. deep, drains SE.  
 80.00 Set a sandstone 14x10x 4 ins. 9 ins. in the ground for corner of secs. 2, 3, 34, and 35, marked with 4 notches on W. and 2 notches on E. edges; and raise a mound of stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable.  
 Land mountainous.  
 Soil stony and clay 2d and 4th rate.  
 Timber cedar and pinon pine.  
 Mountainous land, heavily timbered or covered with dense undergrowth 80.00 chs.

## S.89°57'E.betsecs.2 and 35

Over broken land; through dense sagebrush.

11. 0 Enter heavy cedar and pinon pine timber, bears NW. and SE. over broken sandstone ledges.  
 22. 0 Leave sandstone ledges bear N. and S.  
 46.00 Set a sandstone 20x18x4 ins. 15 ins. in the ground for ¼ sec.cor., marked  $\frac{1}{4}$  on N. face; from which  
     A pine 24 ins. diam. bears N. 34° E. 42 lks. dist.  
     marked  $\frac{1}{4}$  S 35 B T  
     A cedar 30 ins. diam. bears SW. 53 lks. dist.  
     marked  $\frac{1}{4}$  S 2 B T  
 On ridge bears N. and S. Descend.  
 61.0 Hollow course S.  
 76.00 Enter scattering cedar and pinon pine and dense artemisia.  
 80.00 Set a sandstone 14x13x8 ins. 9 ins. in the ground for corner of secs. 1, 2, 35, and 36, marked with 1 notch on E. and 5 notches on W. edges; from which  
     A cedar 36 ins. diam. bears S. 40° 30' W. 150 lks. dist.  
     marked T 3 S R 8 W S 2 B T

## NORTH BOUNDARY T.3 S.R.8 W.

Chains

A cedar 18 ins.diam.bears N. $65^{\circ}30'W.$ .212 lks.dist.  
marked T 2 S R 8 W S 35 B T.

No other bearing trees within limits;dig pits 18x18x12  
ins.in secs.1 and  $365\frac{1}{2}$  ft.dist.;and raise a mound of  
earth 4 ft.base 2 ft.high W.of corner.

Land mountainous..

Soil stony 2nd and 4th rate.

Timber cedar and pinon pine.

Land heavily timbered or covered with dense undergrowth  
on 80.00 chs.

---

S. $89^{\circ}57'E.$ betsecs.1 and 36

Over broken land;through scattering cedar and pinon pine  
timber.

17.00 Enter heavy cedar and pinon pine timber bears N.and S.

40.00 Set a sandstone 14x12x6 ins.9 ins.in the ground for  $\frac{1}{4}$   
sec.cor.,marked  $\frac{1}{4}$  on N.face;from which

A cedar 14 ins.diam.bears N. $18^{\circ}30'W.$ .85 lks.dist.  
marked  $\frac{1}{4}$  S 36 B T

A cedar 30 ins.diam.bears S. $54^{\circ}E.$ .195 lks.dist.  
marked  $\frac{1}{4}$  S 1 B T

60.00 Leave cedar and pinon pine bears N.and S.

Enter dense artemisia.

80.00 The cor.of Tps.2 and 3 S Rs.7 and 8 W.

Land mountainous.

Soil stony and clay 2d and 3d rate.  
Timber cedar and pinon pine.

Land mountainous,heavily timbered or covered with dense  
undergrowth 80.00 chs.

October 10, 1903.

---

For general description see notes of subdivision  
of T.3 S.R.8 W.

*Frederick C. Ferron*  
U.S. Deputy Surveyor.

## BOUNDARIES OF T.3 S.R.8 W.

## LATITUDES, DEPARTURES, AND CLOSING ERRORS.

Line Designated	True Bearing	Dist.	Latitudes		Departures	
			N. chs.	S. chs.	E. chs.	W. chs.
South Bdy.	N.89°58'W.	479.30	.28	.....	.....	479.30
2d Guide Mer. West North		480.00	480.00	.....	.....	.....
North Bdy.	S.89°57'E.	478.05	.....	.42	478.05	.....
East Bdy.	S.0°6'E.	480.00	.....	480.00	.84	.....
Convergency					.61	
Totals			480.28	480.42	479.50	479.30
					480.28	479.30
Error in lat. and dep.			.14	.20		

*Frederick C. Ferron*  
U.S. Deputy Surveyor.

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## FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

## LIST OF NAMES.

A list of the names of the individuals employed by \_\_\_\_\_

\_\_\_\_\_, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of \_\_\_\_\_

showing the respective capacities in which they acted:

\_\_\_\_\_, Chainman.

\_\_\_\_\_, Chainman.

For final affidavits see book "G" T.1 S.R.8 W. \_\_\_\_\_, Moundman.

\_\_\_\_\_, Moundman.

\_\_\_\_\_, Axman.

\_\_\_\_\_, Axman.

\_\_\_\_\_, Flagman.

## FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted \_\_\_\_\_

\_\_\_\_\_, United States Deputy Surveyor, in surveying all those parts or portions of the \_\_\_\_\_

of the \_\_\_\_\_

\_\_\_\_\_ meridian, \_\_\_\_\_ of \_\_\_\_\_, which are represented

in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for \_\_\_\_\_

For final affidavits see book "G" T.1 S.R.8 W. \_\_\_\_\_, Chainman.

\_\_\_\_\_, Chainman.

\_\_\_\_\_, Moundman.

\_\_\_\_\_, Moundman.

\_\_\_\_\_, Axman.

\_\_\_\_\_, Axman.

\_\_\_\_\_, Flagman.

Subscribed and sworn to before me this \_\_\_\_\_

day of \_\_\_\_\_, 189 \_\_\_\_\_



## FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, \_\_\_\_\_, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from \_\_\_\_\_, United States Surveyor General for \_\_\_\_\_, bearing date of the \_\_\_\_\_ day of \_\_\_\_\_, 189\_\_\_\_\_, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for \_\_\_\_\_, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of \_\_\_\_\_.

For final affidavit see book G. T. 1 S. R. 8 W.

of the \_\_\_\_\_  
 meridian, in the \_\_\_\_\_ of \_\_\_\_\_, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for \_\_\_\_\_ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

*United States Deputy Surveyor.*

Subscribed by said \_\_\_\_\_, and sworn to before me }  
 this \_\_\_\_\_ day of \_\_\_\_\_, 189\_\_\_\_\_ }



## APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, December 20, 1904.

The foregoing field notes of the survey of the North Boundary of Township No. 3 South, Range No. 8 West, of the Uintah Special Base and Meridian, Utah

executed by George C. Swan and Frederick C. Ferron under their contract No. 278, dated September 10, 1903, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

*Edward Naudensky*  
United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in \_\_\_\_\_, has been correctly copied from the original notes on file in this office.

*United States Surveyor General.*

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etc. D.M.B.  
O.W.G.

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411

BOOK A-312

FILED

OCT 8 1904

F.

# FIELD NOTES

OF THE SURVEY OF THE

North  
Boundary of  
Township No. 2, South  
Range No. 8, West

of the Mintak Special Base and Meridian,  
In the State of Utah

AS SURVEYED BY

George G. Shaw Frederick C. Duerk, United States Deputy Surveyors  
Under his Contract No. 278, dated September 10<sup>th</sup>, 1903  
Survey commenced October 14<sup>th</sup>, 1903  
Survey completed 11 14<sup>th</sup>, 1903

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Fig. 5, p. 60

NAMES AND DUTIES OF ASSISTANTS.

Cyrus S. Kershaw Chairman

Hubert D. Page

Charles Jourden Ground man

Ten C. Duncan Admin

Herman Wagner Flagman

For preliminary affidavits see book r.D. T.4 S.R.8 W.

Volume

#

R0312

BOOK A-312

INDEX DIAGRAM.

*Township* \_\_\_\_\_, *Range* \_\_\_\_\_

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31	32	33	34	35	36

*Meanders Page* \_\_\_\_\_

## PRELIMINARY OATHS OF ASSISTANTS.

WE, ..... and .....  
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

....., Chainman.

....., Chainman.

Subscribed and sworn to before me this ..... }  
day of ..... , 190 }



WE, ..... and .....  
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

....., Moundman.

....., Moundman.

Subscribed and sworn to before me this ..... }  
day of ..... , 190 }



WE, ..... and .....  
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

....., Axman.

....., Axman.

Subscribed and sworn to before me this ..... }  
day of ..... , 190 }



I, ..... , do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of .....

....., Flagman.

Subscribed and sworn to before me this ..... }  
day of ..... , 190 }



## NORTH BOUNDARY T.2 S.R.8 W.

Crains.

Survey commenced Oct. 14, 1903, and executed with a W. and L.E. Gurley light mountain transit, No. with solar attachment, for a complete description of which see book "B" of this survey.

Knowing from recent tests made at the St. corner of T.4 S. R.Sandow, and recorded in book "B" that the instrument is in adjustment I proceed as follows:

Oct. 14, 1903, at the cor. of Tps.1 and 2 S.Rs.7 and 8 W., which is a quartzite stone 18x18x10 ins. above ground marked and witnessed as described by Deputies Stewart and Booth under their contract No.270, at 8 h.0 m.a.m.l. m.t.I.set off  $7^{\circ}49'$  S.on decl.arc;  $40^{\circ}21'07''$  N on lat. arc and determine a true meridian with the solar; Thence I run

"Set on a random line along the N.bdy.of Tp.2 S.R.8 W. setting temp. $\frac{1}{4}$  sec. and sec.cors. at intervals of 40.00 chs.; and at 478.00 chs. intersect Second Guide Meridian West at 11ks.S. of the cor.of Tps.1 and 2 S.Rs.8 and 9 W., heretofore described.

The falling answers to a correction of  $0^{\circ}6'$  or 14 I.P.S.M. per mile counting from the NE.cor.of the Tp.; therefore I run

S. $89^{\circ}54' E.$  bet.secs.6 and 31

Ascending through dense oak and sagebrush.

Spur ridge projects SW.

Ravine 300 ft.deep, course S.; creek 1 lk.wide course S. Set a sandstone 12x8x6 ins. 8 ins.in the ground for  $\frac{1}{4}$  sec.cor., marked  $\frac{1}{4}$  on N.face; and raise a mound of stone 2 ft.base  $1\frac{1}{2}$  ft.high N.of cor.

Ascend.

Top of spur projects S.

Descend.

58. 00 Ravine 300 ft.deep, course S.

Ascend.

-2-

NORTH BOUNDARY T.2 S.R.8 W.

Chains	
70.50	Top of spur projects SW. Descend.
76.30	Ravine 250 ft. deep, course SW. Enter scattering aspen timber.
78.00	1000 ft. above creek in ravine. Set a sandstone 15x9x6 ins. 10 ins. in the ground for cor. of secs. 5, 6, 31, and 32; marked with 1 notch on W. and 5 notches on E. edge; and raise a mound of stone 2 ft. base 1½ ft. high W. of cor. Land mountainous. Soil stony 3d rate. Timber scattering aspen. Mountainous land covered with dense undergrowth 78.00 chs.

---

S. 89°54' E. bet. secs. 5 and 32

	Ascending through scattering aspen timber.
2.50	Top of ridge bears NW. and SE.
17.00	Ravine 500 ft. deep, course SE.
40.00	Set a cobble-stone 14x10x8 ins. 9 ins. in the ground for ½ sec. cor., marked ½ on N. face; from which An aspen 8 ins. diam. bears S. 30°W. 88 lks. dist. marked ½ S 5 B T An aspen 9 ins. diam. bears N. 76°W. 88 lks. dist. marked ½ S 32 B T
43.00	Ridge bears N. and S.
49.00	Enter heavy aspen and scattering pine timber, bears NW. and SE.
60.00	Ravine 300 ft. deep, course SE. Ascend.
70.00	Point of spur projects SW. Descend.
78.50	Ravine 150 ft. deep, course SW.
80.00	Set a cobble-stone 18x10x8 ins. 12 ins. in the ground for

## NORTH BOUNDARY T.2 S.R.8 W.

-3-

	Chains	cor. of secs. 4, 5, 32, and 33; marked with 2 notches on W. and 4 notches on E. edge; from which
		An aspen 6 ins. diam. bears N. 55° E. 36 lks. dist. marked T 1 S R.8 W S 33 B. T
		An aspen 3 ins. diam. bears S. 40° E. 31 lks. dist. marked T 2 S R.8 W S 34 B. T
		An aspen 6 ins. diam. bears S. 83° W. 64 lks. dist. marked T 2 S R.8 W S 35 B. T
		An aspen 7 ins. diam. bears N. 59° W. 44 lks. dist. marked T 1 S R.8 W S 32 B. T
	Land	mountainous.
	Soil	stony; 3d rate.
	Timber	aspen and pine.
		Mountainous land 80.00 aches.
6.50		S. 89° 54' E. bet. secs. 4 and 33
		Ascending through heavy aspen and scattering pine timber.
16.00		Top of ridge bears NW. and SE. 250 ft. above corner
		Leave timber.
40.00		Enter heavy aspen and pine timber bears NW. and SE.
		Top of ridge bears N. and S.
		Set a cobble stone 16x18x5 ins. 11 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which
		A pine 15 ins. diam. bears S. 65° E. 110 lks. dist. marked $\frac{1}{4}$ S 4 B T
		A pine 6 ins. diam. bears N. 90° W. 210 lks. dist. marked $\frac{1}{4}$ S 33 B. T
56.30		Descend.
60.00		Ravine 100 ft. deep, course S.
		Leave live timber; ascend through dead and fallen timber.
70.00		Leave dead timber.
80.00		Set a cobble stone 20x18x12 ins. 15 ins. in the ground for cor. of secs. 3, 4, 33, and 34; marked with 3 notches on E. and

NORTH BOUNDARY T.2 S.R.8 W.

Chains  
W.edge;and raise a mound of stone 2 ft.base  $1\frac{1}{2}$  ft.high  
W.of cor.  
Land mountainous.  
Soil stony;3d rate.  
Timber pine and aspen.  
Mountainous land 80.00 chs.  
Oct.14 1903,at this cor.I set off  $7^{\circ} 44'$  S on decl.arc;  
and at 11 h.47 m.a.m.l.m.t.observe the sun on the merid-  
ian the resulting lat.is  $40^{\circ} 21' 07''$  N.

---

S. $89^{\circ} 54'$ E.bet.secs.3 and 34  
Ascending through squaw and scrub oak brush;over moun-  
tainous land.  
20.00 Top of ridge bears NW.and SE.  
Enter scattering aspen and dead and fallen timber,bears  
NW.and SE.  
40.00 Set a sandstone 16x12x6 ins.11 ins.in the ground for  $\frac{1}{4}$   
sec.cor.,marked  $\frac{1}{4}$  on N.face;and raise a mound of stone  
2 ft.base  $1\frac{1}{2}$  ft.high N.of cor.  
80.00 Thence over north slope  
Set a sandstone 14x10x4 ins.9 ins.in the ground for cor  
of secs.2,3,34, and 35;marked with 2 notches on E.and 4  
notches on W.edges;and raise a mound of stone 2 ft.base  
 $1\frac{1}{2}$  ft.high W.of cor.  
Land mountainous.  
Soil stony 3d rate.  
Timber aspen.  
Mountainous land 80.00 chs.

---

S. $89^{\circ} 54'$ E.bet.secs 2 and 35  
Descending through scattering aspen and dense squaw an-  
sage brush;over mountainous land.  
11.00 Spring branch 2 lks.wide,in ravine 300 ft.deep,course N  
16.00 Point of spur projects NW.

NORTH BOUNDARY T.2 S.R.8 W.

Oneline.  
 32.00 Leave aspen and undergrowth bear NW and SE.  
 40.00 Set a sandstone 20x15x8 ins.15 ins.in the ground for  $\frac{1}{4}$  sec.cor.,marked  $\frac{1}{4}$  on N.face;and raise a mound of stone 2 ft.base  $1\frac{1}{2}$  ft.high N.of cor.  
 54.00 Enter dense oak and squaw brush;bears NW.and SE.  
 80.00 Set a sandstone 20x14x4 ins.15 ins.in the ground for cor.of secs.1,2,35, and 36,marked with 5 notches on W.and 1 notch on E.edge;and raise a mound of stone 2 ft.base  $1\frac{1}{2}$  ft.high W.of cor.  
 Land mountainous.  
 Soil stony;3d rate:  
 Timber aspen.  
 Mountainous land 80.00 chs.

## S.89°54'E.betsecs.1 and 36

Descending through dense oak and service-berry brush.  
 4.00 Ravine 300 ft.deep, course SE.  
 17.00 Enter heavy cedar and pinon pine timber bears NW.and SE.  
 28.00 Leave timber. Ascend.  
 40.00 On top of spur projects SE.  
 Set a sandstone 12x10x8 ins.8 ins.in the ground for  $\frac{1}{4}$  sec.cor.,marked  $\frac{1}{4}$  on N.face;and raise a mound of stone 2 ft.base  $1\frac{1}{2}$  ft.high N.of cor.  
 80.00 The cor.of Tps.1 and 2 S.Rs.7 and 8 W.  
 Land mountainous.  
 Soil stony;3d rate.  
 Timber cedar and pinon pine.  
 Mountainous land 80.00 chs.

October 14, 1903.

NORTH BOUNDARY T.2 S.R.8 W.

For general description see notes of the subdivision of this township.

*Frederick C. Ferron*

BOUNDARIES T.2 S.R.8 W.

LATITUDES, DEPARTURES AND CLOSING ERRORS.

Line Designated	True Bearing	Dist.	Latitudes		Departures	
			N. chs.	S. chs.	E. chs.	W. chs.
South boundary	N.89°57'W.	478.05	42	.....	.....	478.05
2d. Guide Mer.W.	North	479.80	479.80	.....	.....	.....
North boundary	S.89°54'E.	478.00	.....	.84	478.00	.....
East boundary	South	479.80	.....	479.80	.....	.....
Convergency						.61
Totals			480.32	480.64	478.61	478.05
Error in lat. and dep.			480.32	478.05	.57	.56
			.42			

*Frederick C. Ferron*

U.S. Deputy Surveyor.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by \_\_\_\_\_

\_\_\_\_\_, United States Deputy Surveyor, to assist in running, measuring, marking the lines and corners described in the foregoing field notes of the survey of \_\_\_\_\_

showing the respective capacities in which they acted:

\_\_\_\_\_, Chainman

For final affidavits see book "G" T.1 S.R.8 W. \_\_\_\_\_, Chainman.

\_\_\_\_\_, Moundman

\_\_\_\_\_, Moundman

\_\_\_\_\_, Axman

\_\_\_\_\_, Axman

\_\_\_\_\_, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted \_\_\_\_\_

\_\_\_\_\_, United States Deputy Surveyor, in surveying those parts or portions of the \_\_\_\_\_

of the \_\_\_\_\_

meridian, \_\_\_\_\_ of \_\_\_\_\_, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for \_\_\_\_\_

For final affidavits see book "G" T.1 S.R.8 W. \_\_\_\_\_, Chainman.

\_\_\_\_\_, Chainman.

\_\_\_\_\_, Moundman.

\_\_\_\_\_, Moundman.

\_\_\_\_\_, Axman.

\_\_\_\_\_, Axman.

\_\_\_\_\_, Flagman.

Subscribed and sworn to before me this \_\_\_\_\_  
day of \_\_\_\_\_, 190 \_\_\_\_\_ }



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, ..... United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from ..... United States Surveyor General for ..... bearing date of the ..... day of ..... 190 , I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for ..... the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of .....

For final affidavits see book "G. T. L. S. R. S. W."

of the .....

..... meridian, in the ..... of ..... which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for ..... and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

United States Deputy Surveyor

Subscribed by said ..... and sworn to before me }  
this ..... day of ..... 190 }

000000  
SEAL  
000000

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, December 20, 1904.

The foregoing field notes of the survey of the North Boundary of Township No. 3 South, Range No. 8 West of the Uintah Special Base and Meridian, Utah,

executed by ..... George C. Swan and Frederick G. Ferron  
their ..... 278 ..... dated ..... September 10 ..... 1903, having been  
under his contract No. ..... critically examined, and the necessary corrections and explanations made, the said field notes, and the  
surveys they describe, are hereby approved.

*Edward H. Anderson*  
United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in ..... has been correctly copied from the original notes on file in this office.

United States Surveyor General.

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OCT 20 1904  
W.H.B.

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## FIELD NOTES

OF THE SURVEY OF THE

*East*

Boundary of  
 Township No. 7 South  
 Range No. 8 West.

of the *Hink Special Baseline* and *Meridian*,  
*In the State of Utah*.

AS SURVEYED BY

*George Swan & Benedict C. Pearson, United States Deputy Surveyor,  
 Under his Contract No. 278, dated September 10<sup>th</sup>, 1903*

Survey commenced *October 15<sup>th</sup>*, 1903

Survey completed *" 16<sup>th</sup>*, 1903

5-151

*High 6-10-41  
 close*

*15-50*

## NAMES AND DUTIES OF ASSISTANTS.

Benton J. Lewhant Chairman

Hubert D. Page " "

Charles Jourden Moundman

Lew C. Durveant Atman

Herman Magnat Flagman

For preliminary affidavits see book in Dr. T. 4 S. R. 8 W.

BOOK A-312

INDEX DIAGRAM.

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31	32	33	34	35	36

*Meanders Page* \_\_\_\_\_

## PRELIMINARY OATHS OF ASSISTANTS.

WE, ..... and .....  
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

....., *Chainman.*

....., *Chainman.*

Subscribed and sworn to before me this ..... }  
day of ..... , 190 }



WE, ..... and .....  
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

....., *Moundman.*

....., *Moundman.*

Subscribed and sworn to before me this ..... }  
day of ..... , 190 }



WE, ..... and .....  
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

....., *Axman.*

....., *Axman.*

Subscribed and sworn to before me this ..... }  
day of ..... , 190 }



I, ..... , do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of .....

....., *Flagman.*

Subscribed and sworn to before me this ..... }  
day of ..... , 190 }



## EAST BOUNDARY OF T.1 S.R.8 W.U.S.B.&amp; M.

Survey commenced October 15, 1903, and executed with the instrument described in Book "B" of this survey. I examine the adjustments of the transit and find them correct, then to test the solar apparatus by comparing its indications resulting from solar observations, made during p.m. and a.m. hours with a meridian determined by Polaris observations, I proceed as follows:

At the corner of Tp 1 and 2 S. Rgs. 7 and 8 W. which is a quartzite stone 18x10x10 ins. above ground, firmly set, marked and witnessed as described under contract No. 270. Andrew J. Stewart, Jr. and Alfred L. Booth, Dep. Surv.; lat.  $40^{\circ}21'07''N.$ , long.  $110^{\circ}45'40''W.$

At 4h. l.m.t. I set off  $40^{\circ}21'N.$  on lat. arc;  $8^{\circ}19'S.$  on decl. arc, and determine a true meridian with the solar; mark a point thereof, on a stone firmly set in ground 5 chs. N. of my station.

At 11h. 55m. p.m. l.m.t. I observe Polaris at upper culmination, in accordance with Manual of Instructions. The meridian thus determined falls on a pole set on the mark determined by p.m. solar observations.

October 15, 1903.

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October 16, 1903, at 8h. a.m. l.m.t. I set off  $40^{\circ}21'N.$  on lat. arc;  $8^{\circ}33\frac{1}{2}'S.$  on decl. arc, and determine a true meridian with the solar. The meridian thus determined falls on a pole set on the mark determined by p.m. solar observation.

The solar apparatus by p.m. and a.m. hours defines the position for meridian same as Polaris observation; therefore I conclude the adjustments of the instrument are correct.

The magnetic bearing of the true meridian at 7h. a.m. l.m.t. is  $16^{\circ}45'W.$ , the angle thus determined gives

EAST BOUNDARY OF T.1 S., R.8 W., U.S.B.& M.

CHAINS	the magnetic decl. $16^{\circ}45' E.$ ; from the corner already described I run,
	N. on E. bdy. of Tp, bet. secs. 31 and 36
	Desc. over mountainous land, through dense oak, sage, service and mahogany brush.
17.00	Enter scattering cedar and pinon timber, bears E. and W.
22.00	Leave timber, bears E. and W.
29.00	Ravine 150 ft. deep, course E.
	Ascend.
33.75	Dry wash 20 lks. wide 6 ft. deep, course SE.
36.00	Enter heavy cedar and pinon timber, bears E. and W.
40.00	Set a cobblestone 20x14x8 ins. 15 ins. in the ground for $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on W. face; from which
	A cedar 16 ins. diam. bears N. $85^{\circ}E.$ 19 lks. dist. mkd. $\frac{1}{4}$ S 31 B T.
	A cedar 18 ins. diam. bears N. $15^{\circ}W.$ 11 lks. dist. mkd. $\frac{1}{4}$ S 36 B T.
40.05	Dry wash 10 ft. deep 10 lks. wide, course E.
43.00	Leave cedar and pinon timber, bears E. and W.
50.00	Spring branch 2 lks. wide, in hollow, course E.
	Ascend.
52.00	Enter cedar and pinon timber.
59.00	Top of knoll, bears E. and W.
	Descend.
63.00	Ravine 100 ft. deep, course E.
	Ascend.
67.60	Knoll bears E. and W., Leave timber, enter dense sage and squaw brush, bears E. and W.
	Descend.
77.25	Road bears N. $70^{\circ}W.$ and S. $70^{\circ}E.$
78.00	Spring branch 2 lks. wide, in hollow, course S. $80^{\circ}E.$
80.00	Set a limestone 18x10x6 ins. 12 ins. in the ground for cor. of secs. 25-30-31 and 36, mkd. 5 notches on N., and

EAST BOUNDARY OF T.1 S., R.8 W., U.S.B.& M.

CHAINS

1 notch on S. edge; from which  
A pinon 10 ins. diam. bears N. 50°E. 123 lks. dist.  
mkd. T 1 S R 7 W S 30 B T.  
A pinon 8 ins. diam. bear's S. 32°E. 137 lks. dist.  
mkd. T 1 S R 7 W S 31 B T.  
No other trees within limit.  
Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.  
Land mountainous.  
Soil stony; 3rd. and 4th. rate.  
Timber heavy and scattering cedar and pinon.  
Mountainous land; heavy timber and dense undergrowth.  
80.00 chs.

N. bet. secs. 25 and 30

Desc. over mountainous land, through dense sage and oak  
brush.

5.00 Ravine 80 ft. deep, course E.

Ascend.

6.20 Spur projects E.

Descent.

14.50 Begin steep descent, bears NW. and SE.

19.00 Enter bottom, bears NW. and SE.

24.30 Bend bears N. 15°W., and S. 15°E.

25.30 Pole fence, bears NW. and SE.

30.60 Pole fence, bears N. 60°W. and S. 60°W.

32.00 Irrigation ditch, drains SE.

40.00 Set a cobblestone 18x12x9 ins. 12 ins. in the ground for  
 $\frac{1}{2}$  sec. cor., mkd.  $\frac{3}{4}$  on W. face, and raise a mound of  
stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.

52.00 Elbow of Du Chesne River, course SW. to SE.

75.00 Du Chesne River 1 ch. wide, course S. 30°E.

80.00 Set a cobblestone 15x15x6 ins. 10 ins. in the ground for  
cor. of secs. 19-24-25 and 30, mkd. 4 notches on N., and

EAST BOUNDARY OF T.1 S., R.8 W., U.S.B.& M.

CHAINS

2 notches on S. edge, and raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.

Land mountainous and level.

Soil loam and stony; 2nd. and 4th. rate.

No timber.

Mountainous land, or land covered with dense undergrowth  
80.00 chs.

N. bet. secs. 19 and 24

Asc. over rolling land, through dense sage brush.

11.25 Road bears NW. and SE.

40.00 Set a sandstone cobble 15x10x7 ins. 10 ins. in the ground for  $\frac{1}{4}$  sec. cor., mkd.  $\frac{1}{4}$  on W. face, and raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.

58.70 Leave flat, enter heavy cedar and pinon, bears NW. and SE.  
Ascend over mountainous land.

80.00 Set a sandstone 22x12x8 ins. 16 ins. in the ground for cor. of secs. 13-18-19 and 24, mkd. 3 notches on N. and S. edges; from which

A pinon 20 ins. diam. bears S.  $1^{\circ}E$ . 98 lks. dist.

mkd. T 1 S R 7 W S 19 B T.

No other trees within limit.

Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.

Land rolling and mountainous.

Soil loam and stony; 1st. and 4th. rate.

Timber heavy cedar and pinon.

Mountainous land; heavy timber or dense undergrowth.

80.00 chs.

October 16, 1903, at this cor. I set off  $8^{\circ}39' S.$  on decl. arc, and 11h. 46m. a.m. 1.m.t. observe the sun on the meridian; the resulting lat. is  $40^{\circ}23\frac{1}{2}' N.$

## EAST BOUNDARY OF T.1 S., R.8 W., U.S.R.&amp; M.

CHAINS	N. bet. secs. 13 and 18
	Desc. over broken hills.
3.00	Ravine 300 ft. deep, course SW.
	Enter heavy cedar and pinon timber, bears NE. and SW.
40.00	Set a cobblestone 14x8x6 ins. 10 ins. in the ground for $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on W. face; from which A pinon 8 ins. diam. bears E. 18 lks. dist. mkd. $\frac{1}{4}$ S 18 B T. A pinon 12 ins. diam. bears N. 81°W. 16 lks. dist. mkd. $\frac{1}{4}$ S 13 B T.
54.00	Top of sharp ridge, sandstone ledge croppings, bear E. and W. Abrupt descent.
77.00	Dry run 600 ft. below ridge, course S. 80°W. Over nearly level land, through scrubby sage brush.
80.00	Set a sandstone 16x10x5 ins. 11 ins. in the ground for cor. of secs. 7-12-13 and 18, mkd. 2 notches on N., and 4 notches on S. edge; and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. Land mountainous and level. Soil loam and stony; 1st. and 4th. rate. Timber heavy cedar and pinon. Mountainous land; heavy timber, or dense undergrowth.
80.00 chs.	

	N. bet. secs. 7 and 12
	Over nearly level land, through scrubby sagebrush.
2.25	Farm Creek 3 lks. wide, course S. 60°W.
10.50	Irrigation ditch, course S. 8°W.
14.00	Road bears NE. and SW.
22.00	Enter heavy cedar and pinon timber. Leave bottom. Ascend over broken mountainous land, bears NW. and SE.
40.00	Set a sandstone 18x18x10 ins. 12 ins. in the ground for $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on W. face; from which

WEST BOUNDARY OF T.1 S., R.8 W., U.S.B.& M.

CHAINS	A cedar 8 ins. diam. bears S. $55^{\circ}$ E. 86 lbs. dist. mkd. $\frac{1}{4}$ S 7 B T.
	A cedar 5 ins. diam. bears S. $16^{\circ}$ W. 137 lbs. dist. mkd. $\frac{1}{4}$ S 12 B T.
80.00	Set a sandstone 16x12x3 ins. 11 ins. in the ground for cor. to secn. 1-6-7 and 12, mkd. 1 notch on N. and 5 notches on S. edge; from which A pine 10 ins. diam. bears N. $51^{\circ}$ E. 26 lbs. dist. mkd. T 1 S R 7 W S 6 B T.
	A pine 12 ins. diam. bears S. $4\frac{1}{2}^{\circ}$ N. 20 lbs. dist. mkd. T 1 S R 7 W S 7 B T.
	A pine 8 ins. diam. bears S. $6^{\circ}$ W. 155 lbs. dist. mkd. T 1 S R 8 W S 12 B T.
	A pine 12 ins. diam. bears N. $71^{\circ}$ W. 41 lbs. dist. mkd. T 1 S R 8 W S 1 B T.
	Land mountainous, broken and level. Soil loam and stony; 1st. and 3rd. rate. Timber heavy cedar and pinon. Mountainous land, heavy timber, and dense undergrowth.
58.00 chs.	
	N. bet. secn. 1 and 6 Asc. over broken mountainous land, through dense sage and squaw brush.
30.00	Ridge bears NE. and SW. Descend.
57.70	Ravine 200 ft. deep, course SE. Enter heavy pinon and cedar timber, bears NE. and SW.
40.00	On spur, projects SE.. Descend. Set a sandstone 18x10x5 ins. 12 ins. in the ground for $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on W. face; from which A pinon 20 ins. diam. bears S. $62^{\circ}$ E. 7 lbs. dist. mkd. $\frac{1}{4}$ S 6 B T.

EAST BOUNDARY OF T.1 S., R.8 W., U.S.B.& M.

CHAINS	A pinon 10 ins. diam. bears N. $40^{\circ}$ W. 34 lks. dist. mkd. $\frac{1}{4}$ S 1 B T.
45.00	Head of ravine 400 ft. deep, course SE. Ascend.
61.50	Spur projects E. Descend.
67.00	Head of hollow, course SW. Ascend. C. L. P. T.
90.41	Intersect Uintah Special Base 15.50 chs. W. of St. $\frac{1}{4}$ sec. cor. of sec. 51; which is a sandstone 12x10x8 ins. above ground firmly set, marked and witnessed as described under contract No. 274, Francis M. Lyman Jr., V. D. S. Set a quartzite stone 16x12x3 ins. 11 ins. in the ground for closing corner to Tp. 1 S. Rgs. 7 and 8 W., mkd. C. and 6 grooves on S. 6 grooves on E., and 6 grooves on W. faces; from which A cedar 12 ins. diam. bears SE. 69 lks. dist. mkd. T 1 S R 7 W S 6 B T. A dead cedar 6 ins. diam. bears S. $26^{\circ}$ W. 45 lks. dist. mkd. T 1 S R 8 W S 1 B T. Land mountainous. Soil loam and stony; 2nd. and 4th. rate. Timber heavy cedar and pinon. Mountainous land; heavy timber, and dense undergrowth. 90.41 chs.

October 16, 1903.

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For general description see subdivision of this Tp.

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EAST BOUNDARY OF T.1 S., R.8 W., U.S.B.& M.

There being no notary public or other officer authorized to administer oaths, within a reasonable distance, at the beginning or ending of this survey, therefore to save time and expense, I administer the preliminary and final oaths myself.

*Frederick C. Ferron*

U.S. Deputy Surveyor.

Line	True Bearing	Distance	Latitude	Departure
		ch.s.	N ch.s. .84	S ch.s. -78.00
Designated S. Bdy	N.89°54'W	478.00		
2nd G.L.W.	North	489.80	489.80	
U.S.B. Line	East	476.79		476.79
E. Bdy	South	490.41		490.41
Convergency				.61
Totals		490.64 490.41	490.41 477.40	478.00 477.40
Error in Lat. and Dep.		.23		.60

*Frederick C. Ferron*

U. S. Deputy Surveyor.

## FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

## LIST OF NAMES.

A list of the names of the individuals employed by  
Fredrick D. Parsons, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of M. I. Idy. Ipo. 2, 3, 24 S., R. 8 E. bds. of P. 15, R. 8 N. of Meridian, special base Meridian, state of Michigan, showing the respective capacities in which they acted:

Byron S. Kershaw, Chairman.

Hubert D. Page, Chairman.

Charles Jourden, Moundman.

Ten C. Duncan, Axman.

Herman Wagner, Flagman.

## FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted

Fredrick D. Parsons, United States Deputy Surveyor, in surveying all those parts or portions of the M. I. Idy. of Ipo. 2, 3, 4 S., R. 8 E. bds. of P. 15, R. 8 N.

Meridian, State of Michigan, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for 1903.

Byron S. Kershaw, Chairman.

Hubert D. Page, Chairman.

Charles Jourden, Moundman.

Ten C. Duncan, Axman.

Herman Wagner, Flagman.

Subscribed and sworn to before me this 16<sup>th</sup> day of October, 1903.

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0 SEAL 0  
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Fredrick D. Parsons  
U.S. Deputy Surveyor

WORK A.R.2

**FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.**

I, Frederick C. Ferron, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Edward H. Anderson, United States Surveyor General for Utah, bearing date of the 10 day of September, 1903, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Utah, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of N. 1/4 sec. of Tp. 2, 3, and 4 S., R. 8 W., and E. bdy. Tp. 1 S., R. 8 W..

of the Uintah Special  
Base and meridian, in the State of Utah, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for Utah, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

*Frederick C. Ferron*  
United States Deputy Surveyor.

Subscribed by said Frederick C. Ferron, and sworn to before me  
this 20th day of December, 1904

SEAL

*Edward H. Anderson*  
U.S. Surveyor  
for

**APPROVAL.**

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, December 20, 1904.

The foregoing field notes of the survey of the East Boundary of Township No. 1 South, Range No. 8 West of the Uintah Special Base and Meridian, Utah,

executed by George C. Swan and Frederick C. Ferron,  
under his contract No. 278, dated September 10, 1903, 1904, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

*Edward H. Anderson*  
United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in \_\_\_\_\_, has been correctly copied from the original notes on file in this office.

United States Surveyor General.

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BOOK A-312

# FIELD NOTES

OF THE SURVEY OF THE

Subdivisions

of  
Township No. 3 South  
Range No. 8 West.

of the Meridian, Special Base Submeridian,  
State of Idaho.

AS SURVEYED BY

George L. Stump, United States Deputy Surveyor,  
Under his Contract No. 278, dated Sept. 10<sup>th</sup>, 1890, 1890  
Survey commenced October 20<sup>th</sup>, 1890  
Survey completed October 30<sup>th</sup>, 1890.

Length 55 30 46 -  
Breadth 4 30 40 -

## NAMES AND DUTIES OF ASSISTANTS.

Thomas Felt, Chairman.

Alfred J. Peterson ".

Alpha H. Manning Mount-man

George Alexander Alman

Paul G. Richeson Flagman

For preliminary affidavits see book "Cr. T. 4 S. R. 8 W."

BOOK A-312

INDEX DIAGRAM.

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*Meanders Page*.....

**PRELIMINARY OATHS OF ASSISTANTS.**

---

WE, \_\_\_\_\_ and \_\_\_\_\_  
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

\_\_\_\_\_, Chainman.

\_\_\_\_\_, Chainman.

Subscribed and sworn to before me this \_\_\_\_\_ }  
day of \_\_\_\_\_, 190 }  
\_\_\_\_\_



WE, \_\_\_\_\_ and \_\_\_\_\_  
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

\_\_\_\_\_, Moundman.

\_\_\_\_\_, Moundman.

Subscribed and sworn to before me this \_\_\_\_\_ }  
day of \_\_\_\_\_, 190 }  
\_\_\_\_\_



WE, \_\_\_\_\_ and \_\_\_\_\_  
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

\_\_\_\_\_, Axman.

\_\_\_\_\_, Axman.

Subscribed and sworn to before me this \_\_\_\_\_ }  
day of \_\_\_\_\_, 190 }  
\_\_\_\_\_



I, \_\_\_\_\_, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of

\_\_\_\_\_, Flagman.

Subscribed and sworn to before me this \_\_\_\_\_ }  
day of \_\_\_\_\_, 190 }  
\_\_\_\_\_



## SUBDIVISION OF T.3 S., R.8 W.

Survey commenced October 19, 1903, and executed with the instrument described in book "A" of this survey.

Preliminary to beginning the subdivision of this township, I retrace a portion of the east boundary as follows:

From the cor. or secs. 19, 24, 25, and 30, I retrace north between sections 19 and 24 to the  $\frac{1}{2}$  sec. cor., and find the course of the line to be N. $0^{\circ}06'W.$

I set up on a point N. $0^{\circ}06'W.$ , 43 chs. from the corner of secs. 19, 24, 25, and 30, where I am able to observe the township line 5 miles of its length. I cause fires to be built at  $\frac{1}{4}$  section corner between secs. 7 and 12, and on blazed line between sections 31 and 36, and find the course between said fires to be N. $0^{\circ}06'W.$

I proceed to the cor. of secs. 1, 2, 35, and 36 on S. bay. of Tp., heretofore described, lat.  $40^{\circ}11'N.$ ; long.  $110^{\circ}47'W.$  and at 4 h.p.m. I set off  $40^{\circ}11'N.$  on lat. arc;  $9^{\circ}47'S.$  on decl. arc; and determine a true meridian with the solar and mark a point thereof on a stone firmly set in the ground 5 chs. N. of my station.

At 11h. ~~5~~ p.m. a.m.t., I observe Polaris at upper culmination in accordance with instructions in the Manual; the meridian thus determined falls on a pole set on the mark determined by p.m. solar observation.

October 19, 1903.

October 20:

At 8a.m.a.m.t., I set off  $40^{\circ}11'N.$  on lat. arc;  $10^{\circ}01'S.$  on decl. arc; and determine a true meridian with the solar; the meridian thus determined falls on the pole set on the mark determined by p.m. solar and Polaris observations.

The solar apparatus by p.m. and a.m. hours defines position for meridian same as by Polaris observation; therefore,

SUBDIVISION OF T. 3 S., R. 8 W.

Chains

I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian at a.m.l.m.t., is N. $16^{\circ}30'W.$ ; the angle thus determined gives the magnetic decl.  $10^{\circ}30'E.$

From the corner already described, I run

North,  $0^{\circ}07'W.$ , bet. secs. 35 and 36.

Descending over broken sandstone ledges; through heavy cedar and pine timber.

.10 Ravine, bears NW.

Ascend.

2.00 Spur, projects NW.

Descend.

5.50 Ravine 800 ft. below spur, course W.

Ascend.

33.50 Ridge, bears E. and W.

40.00 Set a sandstone, 16x14x8 ins., 11 ins. in the ground, for  $\frac{1}{2}$  sec. cor., marked  $\frac{1}{2}$  on W. face; from which

A pine, 8 ins. diam., bears N. $30^{\circ}E.$ ,

58 lks. dist., marked  $\frac{1}{2}$  S 36 B T.

A pine, 9 ins. diam., bears N. $58^{\circ}W.$ ,

53 lks. dist., marked  $\frac{1}{2}$  S 35 B T.

40.35 Dry run course W.

Ascend.

4C.50 Ridge, bears NW. and SE.

7C.00 Ridge, bears NW. and SE.

80.00 Set a sandstone, 18x10x8 ins., 12 ins. in the ground, for cor. of secs. 25, 26, 35, and 36, marked with 1 notch on S. and E. edge; from which

A cedar, 3C ins. diam., bears N. $27^{\circ}E.$ ,

62 lks. dist., marked T 3 S R 8 W S 25 B T.

A cedar C ins. diam., bears S. $11^{\circ}E.$ ,

16 lks. dist., marked T 3 S R 8 W S 36 B T.

A cedar, 14 ins. diam., bears S. $84^{\circ}W.$ ,

87 lks. dist., marked T 3 S R 8 W S 35 B T.

## SUBDIVISION OF T.3 S.R.8 W.

CHAINS	A pine 20 ins.diam.bears N.89°W.104 lks.dist. marked T 3 S R 8 W S 26 B T Land mountainous. Soil stony;3d and 4th rate. Timber pedar and pinon pine. Mountainous land,heavily timbered,80.00 chs.
40.00	S.89°58' E.on a random line betsecs.25 and 36 Set temp. $\frac{1}{4}$ sec.cor.
75.70	Intersect E.bdy.6fTp.at the cor.of secs.25,30,31, and 36 which is a sandstone 15x7x6 ins.above ground,firmlly set and marked and witnessed as described by Deputies Stew- art and Booth under their contract No.270. Thence I run
	N.89°58' W.on a true.line betsecs.25 and 36 Over broken mountainous land;through heevy cedar and pine timber;ascending.
4.00	Spur projects NW. Descend.
17.00	Ravine,drains NW.;ascend
70. 0	Ridge bears NW.and SE. Descend.
39.85	Set a sandstone 20x15x12 ins.15 ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;from which A cedar 12 ins.diam.bears N.75°W.11 lks.dist. marked $\frac{1}{4}$ S 25 B T A pinon pine 15 ins.diam.bears S.60°W.15 lks.dist. marked $\frac{1}{4}$ S 36 B T.
49.00	Ravine 100 ft.deep;course NW.;ascend.
62.00	Spur projects NW.;descend.
72.50	Ravine 250 ft.below ridge,course NW.
79.70	The cor.of secs.25,26,35, and 36.

SUBDIVISION OF T.3 S.R.8 W.

Chains	Land mountainous. Soil stony; 4th rate. Timber cedar and pinon pine. Mountainous or heavily timbered land 79.70 chs.
	N.0°07'W.betsecs.25 and 26
	Descending over broken mountainous land.
	Through heavy cedar and pine timber.
11.00	Ravine 250 ft. deep, course NW. Ascend.
25.00	Spur projects NW. Descend.
40.00	In ravine, 500 ft. deep, course W. Set a sandstone 16x12x5 ins. 11 ins. in the ground for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on W. face; from which A cedar 12 ins. diam. bears N.70°E. 34 lks. dist. marked $\frac{1}{2}$ S 25 B T A cedar 15 ins. diam. bears S.66°W. 25 lks. dist. marked $\frac{1}{4}$ S 26 B T Ascend.
48.00	Ridge bears E. and W. Descend.
56.00	Ravine 100 ft. deep, course W. Ascend.
80.00	In ravine course SW. Set a sandstone 16x12x5 ins. 11 ins. in the ground for cor. of secs. 23, 24, 25, and 26, marked with 1 notch on E. and 2 notches on S. edge; from which A cedar 12 ins. diam. bears N.70°E. 34 lks. dist. marked T 3 S R 8 W S 24 B T A pine 14 ins. diam. bears S.36°E. 75 lks. dist. marked T 3 S R 8 W S 25 B T A cedar 30 ins. diam. bears S.29W. 47 lks. dist.

## SUBDIVISION OF T.3 S R 8 W.

	Chains	marked T 3 S R 8 W S 26 B T A cedar 16 ins.diam.bears N.51°W.35 lks.dist. marked R 3 S R 8 W S 23 B T Land mountainous. Soil stony;4th rate. Timber cedar and pinon pine. Mountainous land,heavily timbered 80.00 chs.
40.00		S.89°58' E.on a random line bet.secs.24 and 25 Set temp. $\frac{1}{4}$ sec.cor.
79.80		Intersect E.bdy.of Tp.3 lies.N.of the cor.of secs.19,24, 25 and 30,which is a sandstone 12x6x6 ins.above ground firmly set and marked and witnessed as described by Dep- uties Stewart and Booth under their contract No.270.
--	Trence I run	N.89°57' W.on a true line bet.secs.24 and 25 Over broken mountainous land;through heavy cedar and pine timber.
59.90		Set a sandstone 15x10x6 ins.10 ins.in the ground for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;from which A cedar 6 ins.diam.bears N.12 lks.dist. marked $\frac{1}{4}$ S 24 B T A pine 4 ins.diam.bears S.17 lks.dist. marked $\frac{1}{4}$ S 25 B T
79.80		In ravine 500 ft.below E.bdy.;course SW.;ascend. The cor.of secs.23,24,25, and '6. Land mountainous. Soil stony;4th rate. Timber cedar and pinon pine. Mountainous land,heavily timbered 79.80 chs.
35.50		N.0°07' W.bet.secs.23 and 24 Over rolling land;through heavy cedar and pine timber. Leave cedar and pine timber bears E.and W.

VTS

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- Chains Ascend abruptly to top of mesa.
- 40.00 Set a sandstone 18x6x5 ins.12 ins.in the ground for  $\frac{1}{4}$  sec.cor.,marked  $\frac{1}{2}$  on W.face;dig pits 18x18x12 ins.N.and S.of stone 3 ft.dist.;and raise a mound of earth  $3\frac{1}{2}$  ft. base  $1\frac{1}{2}$  ft.high N.of cor.
- 67.00 Enter scattering cedar and pine timber bears NE.and SW.
- 76.50 Leave timber.
- 80.00 Set a sandstone 15x8x6 ins.10 ins.in the ground for cor. of secs.13,14,23, and 24,marked with 3 notches on S.and 1 notch on E.edge;dig pits 18x18x12. ins.in each sec. $5\frac{1}{2}$  ft.dist.;and raise a mound of earth 4 ft.base 2 ft.high W.of cor.
- Land rolling.
- Soil sandy 2d and 3d rates.
- Timber cedar and pinon pine.
- Mountains craggy heavily timbered land 80.00 chs.

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- S. $89^{\circ}57'$ E.on a random line betsecs.13 and 24
- 40.00 Set temp. $\frac{1}{4}$  sec.cor.
- 79.80 Intersect E.bdy.of Tp.3 lks.S.of the cor.of secs.13,18, 19, and 24,which is a sandstone 8x6x6 ins.above ground, firmly set and marked and witnessed as described by Deputies Stewart and Booth under their contract No.270.
- Thence I run
- N. $89^{\circ}58'$ W.on a true line betsecs.13 and 24
- Descending over rolling land;through dense artemisia.
- 16.00 Enter scattering cedar and pinon pine timber;bears N.and S.
- 18.00 Leave timber bears N.and S.
- 39.90 Set a sandstone 15x10x8 ins.10 ins.in the ground for  $\frac{1}{4}$  sec.cor.,marked  $\frac{1}{2}$  on N.face;dig pits 18x18x12 ins.E.and W.of stone 3 ft.dist.;and raise a mound of earth  $3\frac{1}{2}$  ft. base  $1\frac{1}{2}$  ft high N.of cor..
- 51.50 Dry run course N.
- 53.20 Dry run course N.;ascend to top of mesa.

## SUBDIVISION OF T.3 S.R.8 W.

79.80	The cor. of secs. 13, 14, 23, and 24. Land rolling, and undergrowth. Soil sandy 2d and 3d rate. Timber cedar and pine.
	Land covered with dense under growth 79.80 chs.
	Oct. 20: At the noon hour cloud obscured the sun take no observation for latitude this day.
	Oct. 20, 1903.
31.00	Leave mesa; descend over rolling land.
40.00	Set a sandstone 18x6x6 ins. 12 ins. in the ground for $\frac{1}{4}$ sec. cor., marked top W. face; dig pits 18x18x12 ins. N. and S. of stone 3 ft. dist.; raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high W. of cor..
62.50	Dry run course N.W.
80.00	Set a sandstone 15x8x5 ins. 10 ins. in the ground for cor. of secs. 11, 12, 13, and 14, marked with 4 notches on S. and 1 notch on E. edges; dig pits 18x18x12 ins. in each sec. $5\frac{1}{2}$ ft. dist.; raise a mound of earth 4 ft. base 2 ft. high W. of cor.
	Land rolling.
	Soil clay; 2d rate.
	No timber.
	Dense undergrowth on 80.00 chs.
	S. $89^{\circ}58'$ E. on a random line bet. secs. 12 and 13
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.88	Intersect E. bdy. of Tp. 5 1/4 miles S of cor. of secs. 7, 12, 13 and 18, which is a sandstone 10x10x5 ins. above ground, firmly set and marked and witnessed as described by

SUBDIVISION OF T.3 S.R.8 W.

Chains.	Deputies Stewart and Booth under their contract No.270. Thence I run West on a true line bet. secs.12 and 13. Over rolling land
sec.54	Set a sandstone 15x9x6 ins.10 ins.in the ground for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face;dig pits 18x18x12 ins.E. and W.of stone 3 ft.dist.;raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft.high N.of corner.
75.65	Heber-Vernal road bears NW.and SE.
79.88	The cor.of secs.11,12,13, and 14. Land rolling. Soil clay;3rd rate. No timber.
1.55	N.0°07'W.bet.secs.11 and 12. Over rolling land.
40.00	Main road bears NW.and SE. Set a sandstone 16x10x5 ins.11 ins.in the ground for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.face;dig pits 18x18x12 ins.N. and S.of stone 3 ft.dist.;raise a mound of earth $3\frac{1}{2}$ ft.base $1\frac{1}{2}$ ft.high W.of cor.
73.50	Ravine 25. ft.deep;course SE.
80.00	Set a sandstone 18x6x5 ins.12 ins.in the ground for cor. of secs.1,2,11, and 12,marked with 5 notches on S. and 1 notch on E.edge;raise mound of stone 2 ft.base $1\frac{1}{2}$ ft. high W.of cor.Pits impracticable. Land rolling. Soil clay;3rd rate. No timber.

Oct.21,1903,at this cor.I set off 10°28'S.on decl.arc and at 11 h.45 m.a.m.observe the sun on the meridian;the

SUBDIVISION OF T.3 S.R.8 W.

Chains.

resulting lat. is  $40^{\circ}15'N$ .

East on a random line bet. secs. 1 and 12

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

79.88 Intersect E.bdy. of Tp. 9. 1ks. N. of the cor. of secs. 1, 6, 7 and 12, which is a sandstone 12x6x5. ins. above ground, firmly set and marked and witnessed as described by Deputies Stewart and Booth under their contract No. 270. Thence I run

$11.89^{\circ}56'W$ . on a true line bet. secs. 1 and 12  
Over broken land; ascending

39.94 Set a sandstone 20x18x10 ins. 15 ins. in the ground, for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on N. face; raise a mound of stone 2 ft. base 1 $\frac{1}{2}$  ft. high N. of cor. Pits impracticable.

58.00 Ridge bears N. and S. Descend.

Thence through scattering cedar and pinon pine timber.

71.50 Sandstone ledges 20 ft. high bear N. and S.

79.88 The cor. of secs. 1, 2, 11, and 12.

Land mountainous.

Soil stony and clay 3d rate.

Timber cedar and pinon pine.

Mountainous land 79.88 chs.

$11.0^{\circ}07'W$ . on a random line bet. secs. 1 and 2

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

79.95 Intersect N.bdy. of Tp. 3 1ks. E. of the cor. of secs. 1, 2, 35 and 36, heretofore described; thence I run

$8.0^{\circ}08'E$ . on a true line bet. secs. 1 and 2

Over broken land; through scattering cedar and pinon pine timber.

22.00 Ridge bears E. and W. Descend.

39.95 Set a sandstone 16x10x6 ins. 11 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on W. face; dig pits 12x18x12 ins.

SUBDIVISION OF T.3 S.R.8 W.

Chains.

N. and S. of stone 3 ft. dist.; raise a mound of earth  $3\frac{1}{2}$  ft. base  $1\frac{1}{2}$  ft. high W. of cor. Descend.

79.95 The cor. of secs. 1, 2, 11, and 12 500 ft. below ridge.  
Land mountainous.

Soil stony clay, 2d and 4th rate.

Timber cedar and pinon pine.

Mountainous land 79.95 chs.

October 21, 1903.

October 22, 1903, at 8 h.0 m.a.m.l.m.t. I set off  $10^{\circ}44'$

S. on decl. arc,  $40^{\circ}11'$  on the lat. arc, and determine a true meridian with the solar at the cor. of secs. 2, 3, 34 and 35 on S. bdy. of Tp. heretofore described.

Thence I run

$W.0^{\circ}08'$  W. bet. secs. 34 and 35,

Ascending over broken land, stony soil, scattering cedar and pinon pine timber.

6.00 Spur projects E., 250 ft. above cor. Descend.

12.00 Enter dense sagebrush, along canon.

40.00 Land subject to slide  $\frac{1}{2}$  sec. cor. not set.

40.50 Red Creek 20 lks. wide course S.E.

41.40 Set a sandstone  $15 \times 12 \times 5$  ins. 10 ins. in the ground for witness to  $\frac{1}{4}$  sec. cor.; marked W C  $\frac{1}{4}$  on W. face; raise a mound of stone 2 ft. base  $1\frac{1}{2}$  ft. high W. of cor. Pits impracticable.

Begin descent.

45.00 Leave canon, bears NW. and SE.

51.00 Spur projects W.; descend.

53.00 Mouth of ravine 300 ft. deep, course W.

63.00 Ledges bear NW. and SE.

67.00 Spur projects S.E. 800 ft. above creek.

Enter heavy cedar and pinon pine timber.

Descend.

78.90 Dry run course S.E. Ascend.

80.00 Set a sandstone  $16 \times 10 \times 8$  ins. 11 ins. in the ground for

## SUBDIVISION OF T. 3 S. R. 8 W.

Chains

cor. of secs. 26, 27, 34, and 35, marked with 2 notches on E., and 1 notch on S. edge; from which

A pine 15 ins. diam. bears N. 36° E. 22 lks. dist.

marked T 3 S R 8 W S 26 B T

A pine 10. ins. diam. bears S. 31° E. 26 lks. dist.

marked T 3 S R 8 W S 35 B T

A pine 11 ins. diam. bears S. 89° W. 44 lks. dist.

marked T 3 S R 8 W S 34 B T

A pine 12 ins. diam. bears N. 32° W. 22 lks. dist.

marked T 3 S R 8 W S 27 B T

Land mountainous.

Soil stony 4th rate.

Timber cedar and pinon pine.

Mountainous land, heavily timbered or covered with dense undergrowth 80.00 chs.

S. 89° 58' E. on a random line bet. secs. 26 and 35,

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

79.90 Intersect N. and S. line 96 lks. S. off the cor. of secs. 25, 26  
35, and 36; thence I run

S. 89° 58' W. on a true line bet. secs. 26 and 35.

Ascending through heavy cedar and pinon pine timber.

1.10 Ridge bears N.W. and SE. Descend.

36.00 Leave heavy timber; enter scattering timber, bears NW and SE. Descend.

39.95 Set a sandstone 18x12x6 ins. 12 ins. in the ground for  $\frac{1}{4}$   
sec. cor., marked  $\frac{1}{4}$  on W. face; raise a mound of stone 2  
ft. base 1 $\frac{1}{2}$  ft. high N. of cor. Pits impracticable.

64.00 Ravine 500 ft. below spur, drains SW. W.

Ascend through heavy cedar and pinon pine timber.

79.90 The cor. of secs. 26, 27, 34, and 35.

Land mountainous,

Soil stony 4th rate.

Timber cedar and pinon pine.

SUBDIVISION OF T. 3 S.R.8 W.

Chains

Mountainous or heavily timbered land 79.90 chs.

N.0°08'W.bet.secs.26 and 27

Ascending over broken land, through heavy cedar and pinon pine timber.

7.00 Ridge bears E. and W.; descend.

29.00 Ravine 200 ft. deep; course SW.; ascend.

35.00 Ridge bears NE. and SW.; descend.

40.00 Set a sandstone 18x14x6 ins. 12 ins. in the ground for  $\frac{1}{4}$  sec.cor., marked  $\frac{1}{4}$  on W. face; from which

A boulder 6x6x4 ft. above ground bears N.5 lks.dist. marked  $\frac{1}{4}$  S B O with a cross.

A pine 4 ins. diam. bears N.75°E. 50 lks.dist. marked  $\frac{1}{4}$  S 2CMB T.

58.0 Ravine 400 ft. deep, course SW. Ascend.

Through scattering cedar timber.

80.00 Set a sandstone 16x12x6 ins. 11 ins. in the ground for cor. of secs. 22, 23, 26, and 27, marked with 2 notches on E. and 2 notches on S. edge; from which

A cedar 8 ins. diam. bears S.42°E. 84 lks.dist. marked T Z S R 8 W S 26 B T

No other suitable bearing trees within limits; raise a mound of stone 2 ft. base  $1\frac{1}{2}$  ft. high W. of cor. Pits impracticable.

Land. mountainous.

Soil stony; 4th rate.

Timber cedar and pinon pine.

Mountainous or heavily timbered land 80.00 chs.

Oct. 22, 1903: At this cor. I set off 10°49'S. 2° 20' on decl. afo; and at 11 h. 45 m. a.m. I. M. T. observe the sun on the meridian; the resulting lat. is 40°12'25" N.

N.89°58'E. on a random line bet. secs. 23 and 26

40.00 Set temp.  $\frac{1}{4}$  sec.cor.

SUBDIVISION OF T.3 S.R.8<sup>W.</sup>

Chains	
80.04	Intersect N. and S. line 3 lks. S. of the cor. of secs. 25, 24, 25 and 26; thence I run S. 29° 57' W. on a true line bet. secs. 25 and 26 descending over broken stony land through scattering cedar and pinon pine timber.
32.00	Spur projects S. 80° W. Descend.
40.02	Set a sandstone 15x10x6 ins. 10 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; and raise a mound of stone 2 ft. base 1 $\frac{1}{2}$ ft. high N. of cor. Pits impracticable.
60.00	Ravine 300 ft. deep, course S.W. Ascend. Thence over broken ledges, bearing NE. and SW.
80.04	The cor. of secs. 22, 23, 26, and 27. Land mountainous. Soil stony; 4th rate. Timber cedar and pinon pine. Mountainous land 80.04 chs.

N. 0° 08' W. bet. secs. 22 and 23

11.00	Over broken mountainous land; through scattering cedar and pinon pine timber; ascending.
40.00	Ridge bears E. and W.; descend.
48.55	Ridge bears E. and W.; descend. Ravine 150 ft. deep, course SW. Ascend. Land subject to slide; $\frac{1}{4}$ sec. cor. not set. Set a sandstone 18x10x6 ins. 12 ins. in the ground for witness cor. to $\frac{1}{4}$ sec. cor., marked W C $\frac{1}{4}$ on N. face; raise a mound of stone 2 ft. base 1 $\frac{1}{2}$ ft. high W. of cor. Pits impracticable.
47.00	Wash, 6x6 ft., course SW.
61.00	Wash, 20 ft. wide, 4 ft. deep, course SW.
65.00	Ledges bear N.E. and S.W.
80.00	Set a sandstone 20x8x6 ins. 15 ins. in the ground for cor. of secs. 14, 15, 23, and 23, marked with 3 notches on E. and 3 notches on S. ledges; raise a mound of stone 2 ft. base 1 $\frac{1}{2}$ ft. high W. of cor. Pits impracticable.

SUBDIVISION OF T.3 S.R.8 W.

Chains. Land mountainous..

Soil stony; 4th rate.

Timber cedar and pinon pine..

Mountainous land 80.00 chs.

N. $89^{\circ}57' E.$  on a random line bet. secs. 14 and 23.

40.00 Set temp.  $\frac{1}{4}$  sec.cor.

79.90 Intersect N.and S.line at the cor. of secs. 13,14,23 and 24; thence I run.

S. $89^{\circ}57' W.$  on a true line bet. secs. 14 and 23 over mesa; through heavy cedar and pinon pine timber.

11.00 Over sandstone ledges bear N.and S.W.

Leave timber.

19.50 Foot of sandstone ledges..

31.00 Descend over sandstone ledges bear N.and S.

39.95 Set a sandstone 18x15x10 ins. 12 ins. in the ground for  $\frac{1}{4}$  sec.cor., marked  $\frac{1}{4}$  on N.face; and raise a mound of stone 2 ft. base  $1\frac{1}{2}$  ft. high N.of cor. Pits impracticable.

61.00 Ravine 300 ft. deep, course SW.

Ascend.

66.00 Spur projects SW.

Descend.

73.00 Hollow drains S.

79.90 The cor. of secs. 14,15,22, and 23.

Land mountainous.

Soil stony and clay 4th rate.

Timber cedar and pinon pine.

Mountainous land 79.90 chs.

October 23, 1903.

October 23, 1903: At 8 h.a.m.l.m.t. I set off  $40^{\circ}13'$  on lat.arc.  $11^{\circ}06' S.$  on the decl.arc, and determine a true meridian with the solar at the cor.of secs. 14,15,22, and 23.

## SUBDIVISION OF T.3 S.R.8 W.

Chains	Thence I run N.0°08'W.bet.secs.14 and 15
	Ascending over broken mountainous land; sandstone ledges.
31.50	Leave sandstone ledges; bear NW. and SE.
73.60	Ridge bears NW. and SSE. and SW. and NE.
40.00	Set a sandstone 15x12x4 ins.10 ins.in the ground for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on W.face; dig pits 18x18x12 ins.N. and S.of stone 3 ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft.high W.of cor..
45.00	Hollow drains E.
14.00	Flat topped ridge bears NW. and SE. Descend.
79.00	Dry-run course SE..
30.00	Set a sandstone 15x9x8 ins.10 ins.in the ground for cor. of secs.10,11,14, and 15, marked with 3 notches on E. and 4 notches on S.edges.; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft.high W.of cor.Pits impracticable.
	Land mountainous.
	Soil stony; 4th rate.
	No timber.
	Mountainous land .80.00 chs.

40.00	N.89°57'W.on a random line bet.secs.11 and 14
	Set temp. $\frac{1}{4}$ sec.cor.
79.80	Intersect N. and S.line 4 lks.N of cor.of secs.11,12,13, and 14; thence I run
	S.89°59'W.on a true line bet.secs.11 and 14
	Over rolling mountainous land.
12.00	Dry wash 20 ft.wide 10 ft.deep, course S. Ascend.
29.50	Low spur projects. SE..
39.00	Set a sandstone 15x11x6 ins.10 ins.in the ground for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N.face; dig pits 18x18x12 ins.E. and W.of stone 3 ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft.high N.of cor..
43.75	Wash 7 x7 ft. course SE..

SUBDIVISION OF T.3 S.R.8 W.

Chains

- 45.50 Wash 20 ft. deep, 75 ft. wide course SE.  
79.80 The cor. of secs. 10, 11, 14, and 15.  
Land rolling, mountains.  
Soil clay; 4th rate.  
No timber.  
Mountains & land 79.80 chs.  
Oct. 23: At this cor. I set off 11° 11' S. on decl. arc, and  
at 11 h. 45m. a.m. l.m.t. observe the sun on the meridian;  
the resulting lat. is 40° 09' N.

N. 0° 08' W. bet. secs. 10 and 11.

Over rolling land

- 40.00 Set a sandstone 16x8x6 ins. 11 ins. in the ground for  $\frac{1}{4}$   
sec. cor., marked  $\frac{1}{4}$  on W. face; dig pits 18x18x12 ins. N. and  
S. of stone 3 ft. dist.; raise a mound of earth  $3\frac{1}{2}$  ft. base  
 $1\frac{1}{2}$  ft. high W. of cor.  
57.00 Main road Heber to Vernal bears NW. and SE.  
69.00 Enter heavy cedar and pinon pine timber, bears E. and W.  
80.00 Set a sandstone 18x12x8 ins. 12 ins. in the ground for  
cor. of secs. 2, 3, 10, and 11, marked with 2 notches on E. and  
5 notches on S. edge; from which

A pinon pine 15 ins. diam. bears N. 37° E. 77 lks. dist.  
marked T 3 S R 8 W S 2 B T

A cedar 10 ins. diam. bears S. 12° E. 30 lks. dist.  
marked T 3 S R 8 W S 11 B T

A pinon pine 20 ins. diam. bears S. 57° W. 29 lks. dist.  
marked T 3 S R 8 W S 10 B T

A cedar 18 ins. diam. bears N. 38° W. 60 lks. dist.  
marked T 3 S R 8 W S 3 B T

Land rolling.

Soil stony; 4th rate.

Timber cedar and pinon pine.

Heavily timbered land 11.00 chs.

N. 89° 59' E. on a random line bet. secs. 2 and 11

- 0.00 Set temp.  $\frac{1}{4}$  sec. cor.

SUBDIVISION OF T.3 S.R.8 W.

Chains	
79.86	Intersect N.and S.line 6 lks.S. of the cor.of secs.1,2, 11 and 12; thence I run  S.89°56'W.on a true line bet.secs.2 and 11 Descending over broken land.
4.00	Hollow drains S.  Ascend through heavy cedar and pinon pine timber.
25.00	Ridge bears N.and S.
33.23	Set a sandstone 20x14x6 ins.15 ins.in the ground for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N.face; from which  A cedar 15 ins.diam.bears N.89°E.19 lks.dist. marked $\frac{1}{4}$ S 2 B T  A cedar 15 ins.diam.bears S.87°E.75 lks.dist. marked $\frac{1}{4}$ S 11 B T
50.00	Hollow 100 ft.deep drains S.  Ascend.
77.00	Ridge bears N.and S.
79.86	The cor.of secs.2,3,10, and 11.  Land mountainous.  Soil stony 4th.rate.  Timber cedar and pinon pine.  Mountainous and heavily timbered land 79.86 chs.

	N.0°08'W.on a random line bet.secs:2 and 3
40.00	Set temp. $\frac{1}{4}$ sec.cor.
80.25	Intersect N.bdy.of Tp. 6 lks.E. of cor.of secs.2,3,34, and 35; thence I run  S.0°11'E.on a true line bet.secs.2 and 3 Over broken land.
5.00	Enter heavy cedar and pinon pine timber.
10.50	Spur projects NW.
	Descend over broken sandstone ledges bear E.and W.
25.50	Leave ledges and timber bear E.and W.  Enter dense sagebrush undergrowth.
34.25	Wash 10x10 ft., course W.

SUBDIVISION OF T.3 S.R.8 W.

Chains	
40.25	Set a sandstone 20x12x10 ins. 15 ins. in the ground for $\frac{1}{2}$ sec.cor., marked $\frac{1}{4}$ on W.face; dig pits 18x18x12 ins. N. and S. of stone 3 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high W.of cor.
48.25	Wash 7x7 ft., course SW.
50.25	Wash 6x6 ft. course SW.
59.25	Enter heavy cedar and pinon pine timber, bears E. and W.
80.25	The cor.of secs. 2,3,10, and 11. Land mountainous. Soil stony; 3rd rate. Timber cedar and pinon pine. Mountainous land, heavily timbered or covered with dense undergrowth 80.25 chs.

Oct. 23, 1903.

Oct. 24, 1903, at 8 h.0 m.a.mil.m.t. I set off 40°11'N.on lat.arc, 11°27'S.on decl.arc; and determine a true meridian with the solar at the cor.of secs. 3,4,33, and 34 on S.bdy.of township heretofore described. Thence I run

N.0°08'W.bct.secs.33 and 34.

Descending through heavy pine timber over broken mountainous land.

5.50	Ravine 250 ft. deep course NE. Ascend .
15.00	Spur projects E.
20.00	Descend.
20.00	Ravine 300 ft. deep, course E. Ascend .
33.00	Ridge bears E. and W. Descend .
	Leave timber.
40.00	Set a sandstone 18x12x6 ins. 12 ins. in the ground for $\frac{1}{2}$ sec.cor., marked $\frac{1}{4}$ on W.face; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high W.of cor.Pits impracticable.
44.00	Enter scattering pine bears E. and W.
53.25	Descend over broken shale ledges bear E. and W.
65.00	Foot of ledges;

SUBDIVISION OF T.3 S.R.8 W.

Chains	Enter canon bottom and dense willows bear E.and W.
70.00	Current Creek 35 lks.wide,in canon 1000' deep, course E.
71.00	Leave bottom.
	Ascend over broken ledges bear E.and W.
75.00	Enter heavy cedar and pinon pine timber.
80.00	Set a limestone 12x10x6 ins.12 ins.in the ground for cor.of of secs.27,28,33, and 34,marked with 3 notches on E.and 1 notch on S.edges;from which
	A pine 16 ins.diam.bears N.36°E.13 lks.dist. marked T 3 S R 8 W S 27 B T
	A cedar 10 ins.diam.bears S.E.16 lks.dist. marked T 3 S R 8 W S 34 B T
	A pine 16 ins.diam.bears N.63°30'W.43 lks.dist. marked T 3 S R 8 W S 28 B T
	A pine 6 ins.diam.bears S.30°30'W.76 lks.dist. marked T 3 S R 8 W S 33 B T
	Land mountainous.
	Soil stony;4th rate.
	Timber cedar and pinon pine.
	Mountainous land heavily timbered or covered with dense undergrowth 80.00 chs.
40.00	S.89°58'E.on a random line bet.secs.27 and 34 Set temp. $\frac{1}{2}$ sec.cor.
80.12	Intersect N.and S.line 9 lks.S.of the cor.of secs.26,27 34, and 35;thence I run
	S.89°58'W.on a true line bet.secs.27 and 34
	Ascending broken sandstone ledges ;through heavy cedar and pinon pine.
6.00	Spur ridge bears N.and S.;descend over ledges.
18.00	Foot of ledges;leave same bear N.and S.
	Enter dense willows.
30.50	Red Creek 15 lks.wide in canon 800 ft.deep, course S.30°E.
37.00	Current Creek 30 lks.wide, course S.

SUBDIVISION OF T. 3 S.R.8 W.

Chains

- 40.06 Set a sandstone 15x10x6, ins.10 ins.in the ground for  $\frac{1}{4}$  sec.cor.,marked  $\frac{1}{4}$  on N.face;raise a mound of stone 2 ft. base 1 $\frac{1}{2}$  ft.high N.of cor.Pits impracticable.
- 43.00 Currant Creek 30 lks.wide course NE.
- 43.00 Currant Creek 30 lks.wide course S.
- 44.00 Currant Creek 30 lks.wide course N.
- 45.70 Currant Creek 30 lks.wide course S.
- 48.00 Currant Creek 30 lks.wide course NE.  
Leave undergrowth bears NE.and SW.
- 65.00 Thence over broken land;through heavy cedar and pinon pine timber.
- 80.12 The cor.of secs.27,28,33, and 34.  
Land mountainous.  
Soil stony;3d and 4th rate.  
Timber cedar and pinon pine.  
Mountainous land heavily timbered or covered with dense undergrowth 80.12 chs.

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N.0°08'W.betsecs.27 and 28

Ascending over broken land;through heavy cedar and pinon pine timber.

- 6.00 Ridge bears NW.and SE. Descend.  
28.00 Hollow drains E. Ascend.  
32.00 Sandstone ledges bear E.and W.  
36.00 Ridge bears E.and W. Descend.  
40.00 Set a sandstone 14x9x5 ins.9 ins.in the ground for  $\frac{1}{4}$  sec.cor.,marked  $\frac{1}{4}$  on W.face;from which  
A pine 11 ins.diam.bears N.40°E.11 lks.dist.  
marked  $\frac{1}{4}$  S 27 B T  
A pine 20 ins.diam.bears S.55°W.85 lks.dist.  
marked  $\frac{1}{4}$  S 28 B T  
47.00 Spur projects NE.;descend.  
49.00 Ledges bear NE.and SW.;descend.  
80.00 Set a sandstone 18x8x8 ins.12 ins.in the ground for cor. of secs.21,22,27, and 28,marked with 3 notches on E.and 2

## SUBDIVISION OF T. 3 S. R. 8 W.

Chains.

notches on S.edges; from which  
 A cedar 18 ins. diam.bears N.42°E.48 lks.dist.  
 marked T 3 S R 8 W S 22 B T  
 A cedar 4 ins. diam.bears S.30°30'W.28 lks.dist.  
 marked T 3 S R 8 W S 28 B T  
 A cedar 12 ins. diam.bears N.24°W.74 lks.dist.  
 marked T 3 S R 8 W S 21 B T  
 No suitable bearing tree in sec.27; raise a mound of stone  
 2 ft. base 1 $\frac{1}{2}$  ft. high W.of cor. Pits impracticable.  
 Land mountainous.  
 Soil stony; 4th rate.  
 Timber cedar and pinon pine.  
 Mountainous land 80.00 chs.

Oct. 24, 1903, at this cor. I set off 11°58'S.on decl. arc, and  
 at 11 h. 45 m.a.m.l.r.t observe the sun on the meridian  
 the resulting lat. is 40°12'N.

N.89°58'E. on a random line bet. secs. 22 and 27.  
 40.00 Set temp.  $\frac{1}{4}$  sec.cor.  
 80.10 Intersect N. and S. line 6 lks.S.of cor. secs. 22, 23, 26, and 27  
 thence I run  
 8.89°55'W. on a true line bet. secs. 22 and 27.  
 Over broken sandstone ledges; through scattering cedar  
 and pinon pine timber.  
 55.00 Ravine 400 ft. deep, drains SW. Ascend.  
 40.05 Corner falls in slide rock, cannot be set.  
 43.00 On spur projects S., Descend.  
 Set a sandstone 20x12x8 ins. 15 ins. in the ground for  
 witness corner to  $\frac{1}{4}$  sec.cor., marked W C  $\frac{1}{4}$  on N.face;  
 raise a mound of stone 2 ft. base 1 $\frac{1}{2}$  ft. high W.of cor.  
 Pits impracticable.

SUBDIVISION OF T.3 S.R.8 W.

Chains  
49.00 Hollow drains S.; ascend.  
55.00 Ridge bears NW. and SE.; descend.  
62.50 Red Creek 15 lks. wide, in canon 250 ft. deep, course SE.  
67.75 Leave canon bears NW. and SE.  
Ascend.  
76.75 Spur projects N. Descend.  
Enter scattering cedar and pinon pine timber.  
80.10 The corner of secs. 21, 22, 27, and 28.  
Land mountainous.  
Soil stony; 4th rate.  
Timber cedar and pinon pine.  
Mountainous land 80.10 chs.

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N.0°08'W.bctsecs.21 and 28

Descending through scattering cedar and pinon pine timber; over broken land.  
2.00 Leave timber; enter dense sagebrush bears NW. and SE.  
10.50 Red Creek 15 lks. wide course S.35°E., in canon 250' deep.  
13.00 Old road bears S.E. and NW.  
26.00 Spur projects SE.; enter heavy cedar and pinon pine. Desc.  
40.00 Set a sandstone 16x12x8 ins. ll, ins. in the ground for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on W. face; from which  
A cedar 12 ins. diam. bears N.48°E. 50 lks. dist.  
marked  $\frac{1}{4}$  S 22 B T  
A cedar 8 ins. diam. bears N.43°W. 35 lks. dist.  
marked  $\frac{1}{4}$  S 21 B T  
55.00 Hollow drains SE. Ascend.  
80.00 Set a sandstone 15x8x5 ins. 10 ins. in the ground for cor. of secs. 15, 16, 21, and 22, marked with 3 notches on S. and 3 notches on E. edges; from which  
A cedar 10 ins. diam. bears N.70°E. 68 lks. dist.  
marked T 3 S R 8 W S 15 B T  
A cedar 12 ins. diam. bears SE. 86 lks. dist.  
marked T 3 S R 8 W S 22 B T

SUBDIVISION OF T.3 S.R.8 W.

Chains

A cedar 10 ins.diam.bears N.64°W.40 lks.dist.

marked T 3 S R 8 W S 16 B T

A cedar 8 ins.diam.bears S.5°W.75 lks.dist.

marked T 3 S R 8 W S 21 B T

Land mountainous.

Soil stony; 2d and 4th rate.

Timber cedar and pinon pine.

Mountainous land heavily timbered 80.00 chs.

N.89°55' E.on a random line betsecs.15 and 22

40.00 Set temp. $\frac{1}{4}$  sec.cor.

79.90 Intersect N.and S.line 20 lks.N.of cor.of secs.14,15,22 and 23; thence I run

N.89°56' W.on a true line betsecs.15 and 22

Over broken land and ledges; ascending.

5.00 Enter heavy cedar and pinon pine timber.

25.00 Ridge 300 ft.above cor.bears N.and S.

39.95 Set a sandstone 15x12x8 ins.10 ins.in the ground for  $\frac{1}{4}$  sec.cor., marked  $\frac{1}{4}$  on N.face; from which

A cedar 15 ins.diam.bears N.5°W.41 lks.dist.

marked  $\frac{1}{4}$  S 15 B T

A cedar 12 ins.diam.bears S.70°E.12 lks.dist.

marked  $\frac{1}{4}$  S 22 B T

58.00 Ravine 200 ft.deep,drains S. Ascend.

64.00 Old road bears N.and S.

79.90 The cor.of secs.15,16,21, and 22.

Land mountainous.

Soil stony and clay; 3d rate.

Timber cedar and pinon pine.

Mountainous land 79.90 chs.

Oct.24,1903.

Oct.25,1903,at 8 h. 0'm.a.m.lim.t.I set off N.40°15' N. on lat.arc; 11° 48'S; on decl.arc, and determine a true me-

SUBDIVISION OF T.3 S.R. W

Chains. ridge with tree solar at the cor. of secs. 15, 16, 21, and 22  
thence I run

N. $8^{\circ}08'W.$  bet. secs. 15 and 16

Over rolling land; descending through heavy cedar and  
pinon pine timber.

10.00 Hollow course SE. Ascend.

Leave cedar and pinon timber; enter dense undergrowth.

40.00 Set a cobblestone 18x14x11 ins. 12 ins. in the ground for  
 $\frac{1}{4}$  sec.cor., marked  $\frac{1}{2}$  on W.face; and raise a mound of stone  
2 ft. base  $1\frac{1}{2}$  ft. high W.of cor.

Pits impracticable.

80.00 Set a sandstone 18x10x4 ins. 10 ins. in the ground for  
cor. of secs. 9, 10, 15, and 16, marked with 3 notches on E.  
and 4 notches on S.edge; and raise a mound of stone 2 ft.  
base  $1\frac{1}{2}$  ft. high W.of cor. Pits impracticable.

Land mountainous.

Soil stony and clay; 3d rate.

Timber cedar and pinon pine.

Mountainous land 80.00 chs.

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S. $88^{\circ}56'W.$  on a random line bet. secs. 10 and 15

40.00 Set temp.  $\frac{1}{4}$  sec.cor.

79.92 Intersect N. and S. line 3 lks. N. of the cor. of secs. 10, 11  
14 and 15; thence I run

N. $88^{\circ}55'W.$  on a true line bet. secs. 10 and 15

Over rolling land.

1.40 Wash 10 ft. deep, 8 ft. wide, arroyo CR.; ascend.

21.00 Old road bears NE. and SW.; ascend.

34.00 Flat ridge bears NW. and SW.

59.96 Set a sandstone 18x8x5 ins. 10 ins. in the ground for  $\frac{1}{4}$   
sec.cor., marked  $\frac{1}{2}$  on W.face; and raise a mound of stone  
2 ft. base 1. ft. high W.of cor. Pits impracticable.

60.00 Hollow drains SE.; ascend.

71.00 Flat ridge bears SW. and NW.; descend.

SUBDIVISION OF T.3 S.R.8 W.

79.92 The cor.of secs.9,10,15, and 16.  
Land rolling.  
Soil clay;2d rate.  
No timber.

N.0°08'W.bet.secs.9 and 10

Over rolling mountains.  
1.20 Main road Heber to Vernal bears E.and W.  
24.00 Flat ridge bears NW.and SE.  
27.50 Ravine 75 ft.deep,drains SE.  
32.00 Rocky spur ridge bears NW.and SE.  
39.85 Wash 8x8 ft.deep,in ravine drains SE.  
40.00 Set a sandstone 18x10x4 ins.12 ins.in the ground for  $\frac{1}{4}$  sec.cor.,marked  $\frac{1}{4}$  on W.face;and raise a mound of stone 2 ft.base  $1\frac{1}{2}$  ft.high W.of cor.Pits impracticable.  
80.00 Set a sandstone 15x12x4 ins.10 ins.in the ground for corner of secs.3,4,9, and 10,marked with 3 notches on E. and 5 notches on S.edge;dig pits 18x18x12 ins. in each sec. $5\frac{1}{2}$  ft.dist.,and raise a mound of earth 4 ft.base 2 ft.high W.of cor.  
Land rolling.  
Soil stony and clay;3d rate.  
No timber.  
Mountainous land 80.00 cbs.  
Oct.25,1903,at this corner I set off 11°53'S.on decl.arc and at 11 h.44 m.a.m.l.m.t.observe the sun on the meridian the resulting lat.is 40.15'N.

S.89°55'E.on a random line bet.secs.3 and 10  
40.00 Set temp. $\frac{1}{4}$  sec.cor.  
79.92 Intersect N.and S.line 3 lks.S.of the cor.of secs.2,3,10 and 11;thence I run.  
N.89°56'W.on a true line bet.secs.3 and 10  
Over rolling land;through heavy cedar and pinon pine timber;ascending gradually

SUBDIVISION OF T.13 S.R.8 W.

Chains.

- 15.00 Spur projects S.; leave timber bears N. and S.  
Enter dense sagebrush. Descend.  
39.96 Set a sandstone 18x9x4 ins. 12 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on N. face; dig pits 18x18x12 ins. E. and W. of stone 3 ft. dist.; and raise a mound of earth  $3\frac{1}{2}$  ft. base  $1\frac{1}{2}$  ft. high N. of cor.  
52.00 Wash 10x10 ft. deep, drains S. Old road bears N. and SE.  
79.92 The cor. of secs. 3, 4, 9, and 10.  
Land rolling.  
Soil clay; 2d rate.  
Timber cedar and pinon pine.  
Mountainous land, heavily timbered or covered with dense undergrowth 79.92 chs.

N. 0°08' W. on a random line bet. secs. 3 and 4

- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
79.92 Intersect N. bdy. of Tp. 2 1ks. E. of cor. of secs. 3, 4, 33, and 34, heretofore described; thence I run  
S. 0°09' E. on a true line bet. secs. 3 and 4.  
Descending over broken land and ledges; through heavy cedar and pinon pine timber.  
2.00 Ravine 100 ft. deep, drains E.  
18.50 Spur projects SE. Descend over ledges bear NW. and SE.  
31.00 Leave ledges and timber bears N. W. and SE.  
Enter dense sagebrush undergrowth.  
39.92 Set a sandstone 14x10x8 ins. 9 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on N. face; dig pits 18x18x12 ins. E. and W. of stone 3 ft. dist.; and raise a mound of earth  $3\frac{1}{2}$  ft. base  $1\frac{1}{2}$  ft. high N. of cor.  
51.00 Wash 15x15 ft. deep, drains SE., 250 ft. below ledges.  
79.92 The cor. of secs. 3, 4, 9, and 10.  
Land mountainous.  
Soil stony 2nd and 4th rate.  
Timber cedar and pinon pine.  
Mountainous land, heavily timbered or covered with dense

## SUBDIVISION OF T.3 S.R.8 W.

Chains undergrowth 79.92 chs.

October 25, 1903.

October 26, 1903, at 8 h.0 m.a.m.l.m.t. I set off  $40^{\circ}11'N.$   
on Lat.arc;  $12^{\circ}08'S.$  on decl.arc; and determine a true me-  
ridian with the solar at the corner of secs. 4, 5, 32, and  
33 on S.bdy. of Tp., heretofore described.

Thence I run

N. $0^{\circ}09'W.$  bet. secs. 32 and 33

Descending over broken N.slope of mountain; over stony  
land and through dense oak and sagebrush, and scattering  
cedar and pinon pine timber.

40.00 600 ft. below sec.cor.

Set a sandstone  $15 \times 10 \times 6$  ins. 10 ins. in the ground for  $\frac{1}{4}$   
sec.cor., marked  $\frac{1}{4}$  on W.face; dig pits  $18 \times 18 \times 12$  ins. N.  
and S. of stone 3 ft. dist.; and raise a mound of earth  $\frac{3}{4}$   
ft. base  $1\frac{1}{2}$  ft. high W.of cor.

52.00 Ravine 800 ft. deep, drains NE.; ascend.

68.00 spur projects E.; descend.

74.00 Currant Creek 30 lks. wide, in canon 1200 ft. deep, course E.  
Ascend over broken ledges.

80.00 On top of ridge bears NW. and NE.

Set a sandstone  $20 \times 6 \times 5$  ins. 15 ins. in the ground for  
cor. of secs. 28, 29, 32, and 33; marked with 4 notches on E.  
and 1 notch on S.edge; from which

A cedar 20 ins. diam. bears S. $88^{\circ}E.$  160 lks. dist.

marked T 3 S R 8 W S 33 B T

A pine 8 ins. diam. bears N. $30^{\circ}30'W.$  27 lks. dist.

marked T 3 S R 8 W S 29 B T

No other bearing trees within limits; raise a mound of  
stone 2 ft. base  $1\frac{1}{2}$  ft. high W.of cor.

Pits impracticable.

Land mountainous.

Soil stony; 4th rate.

Timber cedar and pinon pine.

SUBDIVISION OF T.3 S.R.8 W.

Chains Mountainous or heavily timbered land, or land covered with dense undergrowth 80.00 chs.

S.89°58' E.on a random line bet.secs.28 and 33

40.00 Set temp. $\frac{1}{4}$  sec.cor.

79.84 Intersect N.and S.line 9 lks.S.of the cor.of secs.27,28, 33 and 34; thence I run

S.89°58' W.on a true line bet.secs.28 and 33

Ascending over broken ledges; through heavy cedar and pinon pine timber.

18.00 Ridge bears NE.and SW.; Descend; leave timber.

20.00 Limestone cliffs 100 ft. high bear NW.and SE. Enter scattering cedar and pinon pine timber.

39.92 Set a sandstone 20x12x6 ins.15 ins.in the ground for  $\frac{1}{4}$  sec.cor., marked  $\frac{1}{4}$  on N.face; and raise a mound of stone 2 ft. base  $1\frac{1}{2}$  ft. high N.of cor.

79.84 The cor.of secs.28,29,32, and 33.

Land mountainous.

Soil stony; 4th rate.

Timber cedar and pinon pine.

Mountainous land, or land covered with heavy timber 79.8 chs.

N.0°09' W.bet.secs.28 and 29

Descending through heavy cedar and pinon pine timber.

16.00 Hollow drains W.; ascend.

17.60 Top of spur projects E. Thence over broken land.

40.00 In opening of cedar, timber,

Set a sandstone 20x10x8 ins.15 ins.in the ground for  $\frac{1}{4}$  sec.cor., marked  $\frac{1}{4}$  on W.face; and raise a mound of stone 2 ft. base  $1\frac{1}{2}$  ft. high W.of cor.Pits impracticable.

80.00 Point for sec.corner falls on sandstone boulder 20x10x12 ft.above ground, on top of ridge bearing N. and SW. Cut a cross (X) at the point for corner of secs.20,21,

SUBDIVISION OF T. 3 S. R. 8 W.

Chains 28 and 29, marked with 4 notches on N. and 2 notches on S. edge; from which

A cedar 9 ins. diam. bears N.  $63^{\circ}$  E. 52 lks. dist.

marked T 3 S R 8 W S 21 B T

A cedar 20 ins. diam. bears S.  $25^{\circ}$  E. 44 lks. dist.

marked T 3 S R 8 W S 28 B T

A pine 18 ins. diam. bears S.  $48^{\circ}$  W. 62 lks. dist.

marked T 3 S R 8 W S 29 B T

A cedar 12 ins. diam. bears N.  $64^{\circ}$  W. 66 lks. dist.

marked T 3 S R 8 W S 20 B T

Land mountainous.

Soil stony and clay 3d and 4th rate.

Mountainous land, heavily timbered 80.00 chs.

Oct. 26, 1903, at this corner I set off  $12^{\circ}13' S.$  on the declination arc. ; and at 11 h. 44 m. a.m. l.m.t. observe the sun on the meridian; the resulting lat. is  $40^{\circ}15' N.$

N.  $89^{\circ}58' E.$  on a random line bet. secs. 21 and 28

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

80.18 Intersect N. and S. line at the corner of secs. 21, 22, 27 and 28; thence I run

E.  $89^{\circ}58' W.$  on a true line bet. secs. 21 and 28

Descending over mountainous land through heavy cedar and pinon pine timber and dense sagebrush.

1.00 Ravine 100 ft. deep, course N.

Ascend over broken sandstone ledges.

12.00 Sandstone cliff 20 ft. high 100 ft. N. and S.

29.75 Old road bears N. and S.

40.09 Set a sandstone 20x14x4 ins. 15 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on N. face; from which

A cedar 16 ins. diam. bears N.  $12^{\circ}$  E. 22 lks. dist.

marked  $\frac{1}{4}$  S 21 B T

A cedar 24 ins. diam. bears S.  $60^{\circ}$  E. 51 lks. dist.

marked  $\frac{1}{4}$  S 28 B T

SUBDIVISION OF T.3 S.R.8 W.

Chains 80.18	The cor. of secs. 20, 21, 28, and 29. Land mountainous. Soil stony; 4th rate. Timber cedar and pinon pine. Mountainous land 80.18 chs.
	N. 0°09' W. bet. secs. 20 and 21 Descending over broken land; through heavy cedar and pinon pine timber.
14.25	Road bears NE. and SW.
34.25	Hollow drains NE. Thence through scattering cedar and pinon pine.
40.00	Set a sandstone 20x12x8 ins. 15 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high W. of cor. Pits impracticable.
70.50	Ravine 300 ft. deep, course SE. Ascend.
80.00	Set a sandstone 15x12x6 ins. 10 ins. in the ground for corner of secs. 16, 17, 20, and 21, marked with 4 notches on E. and 3 notches on S. edge; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high W. of cor. Pits impracticable. Land mountainous. Soil stony 3d and 4th rate. Timber cedar and pinon pine. Mountainous land or land heavily timbered 80.00 chs.
40.00	W. 89°58' E. on a random line bet. secs. 16 and 21 Set temp. $\frac{1}{4}$ sec. cor. 15 ins. above and below all lines.
80.12	Intersection of S. line 15 ins. W. of the corner of secs. 15, 16, 21, and 22; thence I run N. 89°56' W. on a true line bet. secs. 16 and 21 Ascending over broken land; through heavy cedar and pinon pine.
20.00	Ledges bear N. and S.

SUBDIVISTO OF T 3 N R 8 W

- Claims.
- 24.00 Ridge bears NW and SE.; descend abruptly.
- 40.06 Set a sandstone 18x12x10 ins.12 ins.in the ground for  $\frac{1}{4}$  sec.cor.,marked  $\frac{1}{4}$  on N.face;from which  
A cedar 4 ins.diam.bears N. $60^{\circ}$ E.27 lks.dist.  
marked  $\frac{1}{4}$  S 16 B T  
A boulder 8x4x5 bears S.5 lks.dist.  
marked  $\frac{1}{4}$  S 21 B 0 with a cross.
- 40.60 Hollow drains S. $80^{\circ}$ W.
- 52.00 Leave timber bears N.and S.
- 62.00 Red Creek 15 lks.wide in canon 250 ft.deep,course SE.  
Ascend.
- 78.50 Spur projects S. $30^{\circ}$ E.
- 80.12 The corner of secs.16,17,20, and 21.  
Land mountainous.  
Soil stony;4th rate.  
Timber cedar and pinon pine.  
Mountainous land 80.12 chs.

October 26,1903.

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October 27,1903,at 8 h.a.m.l.m.t.I set off  $12^{\circ}29'$  S. on decl.arc;  $40^{\circ}13'$  N.on lat.arc, and determine a true meridian with the solar at the cor.of secs.16,17,20, and 21; thence I run

N. $0^{\circ}09'$ W.betsecs.16 and 17

Ascending over broken land.

- 2.00 Spur projects SE.;  
Descend through dense sagebrush.
- 39.50 Red Creek 15 lks.wide in canon 300 ft.deep,course SE.
- 40.00 Set a sandstone 20x10x5 ins.15 ins.in the ground for  $\frac{1}{4}$  sec.cor.,marked  $\frac{1}{4}$  on W.face;and raise a mound of stone 2 ft.base  $1\frac{1}{2}$  ft.high W.of cor.Pits impracticable.  
Thence along E.side of canon.
- 62.00 Hollow drains W.
- 62.50 Main road Heber to Vernal bears E.and W.  
Enter scattering cedar and pinon pine.

SUBDIVISION OF T.3 S.R.8 W.

Chains

- 65.00 Top of steep ascent; the elevation about 4,000 ft. in 3M.  
80.00 Set a sandstone 15x10x8 ins.10 ins.in the ground for corner of secs.8,9,16, and 17,marked with 4 notches on E. and 4 notches on S.edges;dig pits 18x18x12 ins.in each sec.5 $\frac{1}{2}$  ft.dist.,and raise a mound of earth 4 ft.base 2 ft.high W.of cor.  
Land mountainous.  
Soil stony 3d and 4th rate.  
Timber cedar and pinon pine.  
Mountainous land 80.00 chs.
- 

S.89°56' E.on a random line betsecs.9 and 16

- 40.00 Set temp. $\frac{1}{4}$  sec.cor.  
80.06 Intersect N.and S.line 111ks.S.of the cor.of secs.9,10, 15 and 16;thence I run

S.89°59' W.on a true line betsecs.9 and 16

over rolling land;through dense sagebrush.

22.50 Heber-Vernal Road bears N.70°E.and S.70°W.

- 40.03 Set a sandstone 14x12x6 ins.9 ins.in the ground for  $\frac{1}{4}$  sec.cor.,marked  $\frac{1}{4}$  on N.face;and raise a mound of stone 2 ft.base 1 $\frac{1}{2}$  ft.high N.of cor.Pits impracticable.

Ascending north ridge.

58.00 Ridge bears NW.and SE. Descend.

72.50 Old Cache Road bears N.and S.

80.06 The cor.of secs.8,9,16, and 17.

Land rolling, and mountainous.

Soil stony and clay, 3d rate.

No timber.

Mountainous land,or land covered with dense undergrowth  
80.06 chs.

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N.0°09' W.betsecs.8 and 9

Ascending over rolling land.

- 19.00 Flat ridge bears NW.and SE. Descend.

SUBDIVISION OF T.3 S.R.8 W.

Chains	Enter heavy cedar and pinon pine timber,bears E.and W.
30.00	Old Cache Road bears N. $10^{\circ}$ W.and S. $10^{\circ}$ E. Leave cedar and pinon pine timber.
	Enter dense sagebrush.
40.00	Set a sandstone 15x12x6 ins.10 ins.in the ground for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.face;dig pits 18x18x12 ins.N. and S.of stone 3 ft.dist.and raise a mound of earth $3\frac{1}{2}$ ft.base $1\frac{1}{2}$ ft.high W.of cor.
48.00	Enter heavy cedar and pinon pine bears E.and W.
55.00	Leave timber bears E. and W.
61.50	Ravine 100 ft.deep,course SE. Ascend.
73.00	Flat ridge bears NW.and SE. Descend.
80.00	Set a sandstone 18x8x6 ins.12 ins.in the ground for corner of secs.4,5,8, and 9,marked with 4 notches on E. and 5 notches on S.edges;and raise a mound of stone 2 ft.base $1\frac{1}{2}$ ft.high W.of cor.Pits impracticable. Land mountainous.and rolling.
	Soil clay,3d rate.
	Timber cedar and pinon pine.
	Mountainous land,or land heavily timbered or covered with dense undergrowth 80.00 chs.
	Oct.27,1903,at this cor.I set off $12^{\circ}34'$ S.on decl.arc, and at 11 h.44 m.a.m.l.m.t.observe the sun on the meridian;the resulting lat.is $40^{\circ}15'N.$

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	N. $89^{\circ}59'$ E.on a random line betsecs.4 and 9
40.00	Set temp. $\frac{1}{4}$ sec.cor.
80.20	Intersect N.and S.line 101ks.S of the cor.of secs.3,4, 9 and 10;thence I run
	S. $89^{\circ}55'$ W.on a true line betsecs.4 and 9
	Over broken land.;ascending.
24.00	Enter heavy cedar and pinon pine timber bears NW.and SE.
29.70	Enter broken sandstone ledges bear NW.and SE.
31.00	Ridge bears NW.and SE.

SUBDIVISION OF T.3 S.R.8 W.

- 35.50 Sandstone boulder 30 ft. high, bears N. and S. Descend.
- 37.00 Leave ledges; sand cedar and pinon pine timber bears N. and S.; enter dense sagebrush.
- 40.10 Set a sandstone 18x10x5 ins. 12 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on N. face; and raise a mound of stone 2 ft. base  $1\frac{1}{2}$  ft. high N. of cor. Pits impracticable.
- 55.00 Wash 20 ft. wide 10 ft. deep, drains SE.
- 65.20 Wash 15x15 ft. drains SE.
- 80.20 The cor. of secs. 4, 5, 8, and 9.  
Land mountainous.  
Soil stony and clay 3d and 4th rate.  
Timber cedar and pinon pine.  
Mountainous land heavily timbered or covered with dense undergrowth 80.20 chs.

N.  $0^{\circ}09'$  W. bet. secs. 4 and 5 on a random line.

- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 79.95 Intersect N. bdy. of Tp. 3 lks. E. of cor. of secs. 4, 5, 32 and 33, heretofore described; thence I run  
S.  $0^{\circ}10'$  E. bet. secs. 4 and 5 on a true line.  
Descending through heavy cedar and pinon pine timber and dense sagebrush.
- 39.95 Set a sandstone 18x12x6 ins. 12 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on W. face; from which  
A cedar 20 ins. diam. bears S.  $30^{\circ}$  E. 63 lks. dist.  
marked  $\frac{1}{4}$  S 4 B T  
A pinon pine 12 ins. diam. bears N.  $81^{\circ}$  W. 40 lks. dist.  
marked  $\frac{1}{4}$  S 5 B T
- 57.00 Sandstone ledges 20 ft. high bear E. and W.
- 64.00 Leave timber bears NW. and SE.
- 68.50 Wash 6x6 ft. drains SE.
- 79.25 Wash 6x6 ft. drains E.
- 79.95 The cor. of secs. 4, 5, 8, and 9.

## SUBDIVISION OF T.3 S.R.8 W.

Chains

- Land mountainous.
- Soil stony 3d rate.
- Timber pinon pine and cedar.
- Mountainous land, or land heavily timbered or covered with dense undergrowth 79.95 chs.

October 27, 1903.

October 28, 1903, at 8 h.0 m.a.m.l.m.t. I set off  $12^{\circ}49' S.$ <sup>V</sup> on decl.arc;  $40^{\circ}11' N.$  on lat.arc, and determine a true meridian with the solar at the corner of secn.5,6,31, and 32 on the S.bdy. of the township, heretofore described. Thence I run

N. $0^{\circ}10' W.$  bet. secs.31 and 32

Descending over broken N.slope; through heavy cedar and pinon pine, dense undergrowth of sage, oak and squaw brush.

20.00 Ravine 300 ft. below cor.course N. $10^{\circ}E.$  Ascend.

40.00 Set a sandstone 18x6x5 ins.12 ins.in the ground, for  $\frac{1}{4}$  sec.cor., marked  $\frac{1}{4}$  on W.face; from which

A pine 16 ins.diam.bears S. $12^{\circ}E.$ .57 lks.dist.

marked  $\frac{1}{4}$  S 32 B T

A pine 8 ins diam.bears S. $60^{\circ}W.$ .60 lks.dist.

marked  $\frac{1}{4}$  S 31 B T

On spur projecte NE. Descend.

63.00 Ravine 500 ft. below sec.cor.course NE. ;ascend.

80.00 On spur ridge projects NE.

Set a sandstone 15x13x5 ins.10 ins.in the ground for cor. of secs.29,30,31, and 32, marked with 5 notches on E.and 1 notch on S.edge; from which

A pine 10 ins.diam.bears N. $59^{\circ}E.$ .38 lks.dist.

marked T 3 S R 8 W S 29 B T

A pine 10 ins.diam.bears S. $71^{\circ}E.$ .9 lks.dist.,

marked T 3 S R 8 W S 32 B T

A pine 10 ins.diam.bears N. $73^{\circ}W.$ .13 lks.dist.

SUBDIVISION OF T.3 S.R.8 W.

- Chains marked T 3 S R 8 W S 30 B T  
A cedar 6 ins.diam.bears S.63°W.29 lks.dist.  
marked T 3 S R 8 W S 31 B T  
Land mountainous.  
Soil stony;3d.rate.  
Timber cedar and pinon pine.  
Mountainous land heavily timbered or covered with dense undergrowth 80.00 chs.
- 
- 40.00 S.89°58'E.on a random line bet.secs.29 and 32  
Set temp. $\frac{1}{4}$ .sec.cor.  
80.34 Intersect N.and S.line 3 lks. $\frac{1}{4}$ .of cor.of secs.28,29,32  
and 33;thence I run  
N.89°57'W.on a true line bet.secs.29 and 32  
over broken ledges;descending.  
1.50 Limestone cliffs 200 ft.high bear NW.and SE.  
7.00 Current Creek 30 lks.wide course SE.,in canon 1000 ft.  
deep course SE.  
Ascend through heavy cedar and pinon pine timber.  
30.50 Spur projects NE. Descend.  
40.17 Set a sandstone 18x9x6 ins.12 ins.in the ground for  $\frac{1}{4}$   
sec.cor..marked  $\frac{1}{4}$  on N.face;from which  
A cedar 10 ins.diam.bears S.71°E.175 lks.dist.  
marked  $\frac{1}{4}$  S 32 B T  
A cedar 12 ins.diam.bears N.75°E.166 lks.dist.  
marked  $\frac{1}{4}$  S 29 B T  
51.00 Ravine 100 ft.deep;course NE. ;ascend.  
69.00 Spur projects NE.  
Descend.  
75.00 Ravine 100 ft.deep, course NE. Ascend.  
80.34 The cor.of secs.29,30,31, and 32.  
Land mountainous.  
Soil stony 4th rate.  
Timber cedar and pinon pine.

SUBDIVISION OF T.3 S.R.8 W.

Chains. Mountainous or heavily timbered land 80.34 chs.

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- N.89°58'W.on a random line bet.secs.30 and 31  
40.00 Set temp. $\frac{1}{4}$  sec.cor:  
79.05 Intersect W.bdy.of Tp.or Second Guide Meridian West 32.  
lks.N.of the cor.of secs.25,30,31, and 36, heretofore de-  
scribed; thence I run  
N.89°48'E.on a true line bet.secs.30 and 31  
Through dense sagebrush; over mountainous land.  
0.25 Ravine 15 ft. deep corner course NW.; ascend.  
2.00 Ridge bears NW. and SE.; Descend.  
Enter heavy cedar and pinon pine timber.  
39.05 Set a sandstone 15x9x5 ins.10 ins.in the ground, for  $\frac{1}{4}$   
sec.cor., marked  $\frac{1}{4}$  on N.face; from which  
A cedar 8 ins.diam.bears S.37°W.51 lks.dist.  
marked  $\frac{1}{4}$  S 31 B T  
A cedar 10 ins.diam.bears N.49°W.26 lks.dist.  
marked  $\frac{1}{4}$  S 30 B T  
43.00 Ravine 100 ft. deep, course NE. ;ascend.  
65.50 Spur projects N.  
Descend.  
71.00 Hollow 100 ft.deep, course N. Ascend.  
79.05 The cor.of secs.29,30,31, and 32.  
Land mountainous.  
Soil stony; 4th rate.  
Timber cedar and pinon pine.  
Mountainous or heavily timbered land, or land covered with  
dense undergrowth 79.05 chs.  
October 28, 1903, at this corner I set off 12°54'S.on decl.  
arc, and at 11 h.44 m.a.m.l.m.t.observe the sun on the  
meridian; the resulting lat.is 40°12'
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SUBDIVISION OF T.3 S.R.8 W.

Chains

N.0°10'W.bet.secs.29 and 30

Descending through heavy cedar and pinon pine timber.

15.00 Currant Creek 30 lks.wide,in canon 800 ft.deep,course E.

40.00 Set a sandstone 20x14x4 ins.15 ins.in the ground for  $\frac{1}{4}$  sec.cor.,marked  $\frac{1}{4}$  on W.face;from which

A cedar 12 ins.diam.bears S.50°E.20 lks.dist.

marked  $\frac{1}{4}$  S 29 B T

A cedar 14 ins.diam.bears N.34°W.25 lks.dist.

marked  $\frac{1}{4}$  S 30 B T

72.00 Intersect broken sandstone ledges bear NW and SE.

80.00 Set a sandstone 20x12x5 ins.15 ins.in the ground for cor.of secs.19,20,29, and 30,marked with 5 notches on E. and 2 notches on S.edges;from which

A cedar 12 ins.diam.bears S.40°E.39 lks.dist.

marked T 3 S R 8 W S 29 B T

A cedar 6 ins.diam.bears S.41°W.48 lks.dist.

marked T 3 S R 8 W S 30 B T

A cedar 10 ins.diam.bears N.72°W.32 lks.dist.

marked T 3 S R 8 W S 19 B T

A cedar 10 ins.diam.bears N.43°E.37 lks.dist.

marked T 3 S R 8 W S 20 B T

Land mountainous.

Soil stony;3d rate.

Timber cedar and pinon pine.

Mountainous land heavily timbered 80.00 chs.

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S.89°57'E.on a random line bet.secs.20 and 29

40.00 Set temp. $\frac{1}{4}$  sec.cor.

79.96 Intersect N.and S.line 3 lks.S.of cor.of secs.20,21,28 and 29;thence P-run

N.89°58'W.on a true line bet.secs.20 and 29

Descending over broken land and sandstone ledges;through heavy cedar and pinon pine timber and dense sagebrush undergrowth.

SUBDIVISION OF T.3 S.R.8 W.

Chains 39.98 Set a sandstone 15x10x5 ins.10 ins.in the ground for  $\frac{1}{4}$  sec.cor.,marked  $\frac{1}{4}$  on N.face;from which  
A cedar 8 ins.diam.bears N. $4^{\circ}$ E.40 lks.dist.  
marked  $\frac{1}{4}$  S 20 B T  
A cedar 12 ins.diam.bears S. $13^{\circ}$ E.55 lks.dist.  
marked  $\frac{1}{4}$  S 29 B T

53.00 Ravine 200 ft.below  $\frac{1}{4}$  sec.cor.course S. ;ascend.

68.00 Spur projects S.  
Descend

77.25 Ravine 200 ft.below sec.cor.,course SE. Ascend.

79.96 The cor.of secs.19,20,29, and 30.  
Land mountainous.  
Soil stony;3d rate.  
Timber cedar and pinon pine.  
Mountainous land,heavily timbered or covered with dense undergrowth 79.96 chs.

S. $89^{\circ}48'W$ .on a random line betsecs.19 and 30

40.00 Set temp. $\frac{1}{4}$  sec.cor.

78.90 Intersect 2d G.M.West.27 lks.S.of cor.of secs.19,24,25 and 30,heretofore described;thence I run  
East on a true line betsecs.19 and 30  
Over broken land,

.05 Dry run course SW.

10.50 Knoll

16.30 Road bears N.and S.

26.00 Ravine 150 ft.deep,course S.

32.00 Sandstone ledges and boulders bear N.and S.

38.90 Set a sandstone 16x12x5 ins.11 ins.in the ground for  $\frac{1}{4}$  sec.cor.,marked  $\frac{1}{4}$  on N.face;,and raise a mound of stone 2 ft.base  $1\frac{1}{2}$  ft.high N.of cor.Pits impracticable.

44.00 Sandstone boulder 15x15x10 ft.

49.00 Ridge bears NE.and SW.

67.50 Enter heavy cedar and pinon pine timber and ledges

SUBDIVISION OF T. 3 S.R.8 W.

Chains bear NW. and SE.  
74.00 Sandstone ledges 20 ft. high bear N. and S.  
78.90 The cor. of secs. 19, 20, 29, and 30.  
Land mountainous.  
Soil clay and stony 3d. rate.  
Timber cedar and pinon pine.  
Mountainous land 78.90 chs.

Oct. 28, 1903.

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Oct. 29, 1903, at 8 h.0 m.a.m.l.m.t. I set off  $13^{\circ}09' S.$  on decl. arc;  $40^{\circ}12' N.$  on lat. arc; and determine a true meridian with the solar at the cor. of secs. 19, 20, 29, and 30.  
Thence I run

N.  $0^{\circ}10' W.$  bet. secs. 19 and 20

Ascending over broken land and ledges, and through heavy cedar and pinon pine timber.

40.00 Set a sandstone 20x16x3 ins. 15 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on W. face; from which

A cedar 6 ins. diam. bears N.  $43^{\circ}30' E.$  7 lks. dist.

marked  $\frac{1}{4}$  S 20 B T

A pine 16 ins. diam. bears N.  $89^{\circ}W.$  73 lks. dist.

marked  $\frac{1}{4}$  S 19 B T

42.00 Ridge bears NW. and SE. Descend.

50.00 Old road bears NW. and SE.

80.00 Set a sandstone 18x8x6 ins. 12 ins. in the ground for cor. of secs. 17, 18, 19, and 20, marked with 5 notches on E. and 3 notches on S. edges; from which

A cedar 18 ins. diam. bears N.  $35^{\circ}30' E.$  53 lks. dist.

marked T 3 S R 8 W S 17 B T

A cedar 12 ins. diam. bears N.  $46^{\circ}W.$  20 lks. dist.

marked T 3 S R 8 W S 18 B T

A cedar 9 ins. diam. bears S.  $29^{\circ}E.$  62 lks. dist.

marked T 3 S R 8 W S 20 B T

SUBDIVISION OF T.3 S.R.8 W.

Chains

A cedar 10 ins.diam.bears S.44°W.115 lks.dist.  
marked T 3 S R 8 W S.19 B T.

Land mountainous.

Soil stony and clay 2d and 3d rate.

Timber cedar and pinon pine.

Mountainous land heavily timbered 80.00 chs.

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S.89°58'E.on a random line betsecs.17 and 20

40.00 Set temp. $\frac{1}{4}$  sec.cor.

79.80 Intersect N.and S.line at the corner of sections 16,17  
20 and 21;thence I run

N.89°58'W.on a true line betsecs.17 and 20  
Over broken mountainous land;through heavy cedar and  
pinon pine timber;descending.

13.00 Ravine 300 ft.deep,course SE. Ascend.

36.00 Ridge bears NW.and SE. Descend.

39.900 Set a sandstone 12x8x6 ins.8 ins.in the ground for  $\frac{1}{4}$   
sec.cor.,marked  $\frac{1}{4}$  on N.face;from which

A cedar 8 ins.diam.bears N.6 lks.dist.

marked  $\frac{1}{4}$  S 17 B T

A cedar 10 ins.diam.bears S.17 lks.dist.

marked  $\frac{1}{4}$  S 20 B T

In small ravine course SE.

79.80 The cor.of secs.17,18,19, and 20.

Land mountainous.

Soil stony and clay 3d rate.

Mountainous or heavily timbered land 79.80 chs.

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West.on a random line betsecs.18 and 19

40.00 Set temp. $\frac{1}{4}$  sec.cor.

78.50 Intersect 2nd G.M.W.13 lks S.of cor.of secs.13,18,19, and 24

Thence I run

S.89°54'E.on a true line betsecs.18 and 19

SUBDIVISION OF T.3 S.R.8 W.

Chains. Over rolling land.  
9.50 Road bears NW. and SE.  
38.50 Set a sandstone 15x10x6 ins.10 ins.in the ground for  $\frac{1}{4}$  sec.cor.,marked  $\frac{1}{4}$  on N.face;dig pits 18x18x12 ins.E.and W.of stone 3 ft.dist.;and raise a mound of earth  $3\frac{1}{2}$  ft. base  $1\frac{1}{2}$  ft.high N.of cor.  
42.00 Enter heavy cedar and pinon pine timber bears N.and S.  
78.50 The cor.of secs.17,18,19.and 20.  
Land rolling.  
Soil stony and clay 2d and 3d rate.  
Timber cedar and pinon pine.  
Heavily timbered land 36.50 chs.  
Oct.29,1903,at this cor.I set off  $13^{\circ}34'$ S.on decl.arc,  
and at 11 h.44 m.a.m.l.m.t.observe the sun on the me-  
ridian;the resulting lat.is  $40^{\circ}13'N$

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N. $0^{\circ}10'W$ .betsecs.17 and 18

Over rolling land;through heavy cedar and pinon pine timber;ascending.  
3.00 Leave timber;enter dense artemisia.  
20.00 Enter cedar and pinon pine;bears NW. and SE.  
28.00 Ridge bears NW. and S.E. Begin steep descent.  
36.00 Leave cedar and pinon pine timber.  
39.50 Wash drains E.  
40.00 Set a cobble stone 14x10x8 ins.9 ins.in the ground for  $\frac{1}{4}$  sec.cor.,marked  $\frac{1}{4}$  on W.face;dig pits 18x18x12 ins.N. and S.of stone 3 ft.dist.,and raise a mound of earth  $3\frac{1}{2}$  ft.base  $1\frac{1}{2}$  ft.high W.of corner.  
43.60 Ravine 200 ft.deep,course SE. Ascend.  
Enter scattering cedar and pinon pine timber. Ascend.  
50.65 Ridge bears NW. and SE. Descend.  
80.00 Set a cobble stone 14x8x7 ins.9 ins.in the ground for corner of secs.7,8,17, and 18,marked with 5 notches on E. and 4 notches on S.edges;from which

SUBDIVISION OF T.3 S.R.8 W.

Chains.

A cedar 14 ins.diam.bears N. $34^{\circ}$ W. 27 lks.dist.

marked T 3 S R 8 W S 7 B T

A cedar 14 ins.diam.bears N. $38^{\circ}$ E.140 lks.dist.

marked T 3 S R 8 W S 8 B T

No other bearing trees within limits;raise a mound of stone 2 ft.base 1 $\frac{1}{2}$  ft.high W.of corner.Pits impracticable.  
Land rolling and mountainous.

Soil clay 2d rate.

Timber cedar and pinon pine.

Mountainous or heavily timbered land 80.00 chs.

S. $89^{\circ}58' E.$ on a random line betsecs.8 and 17

40.00 Set temp. $\frac{1}{4}$  sec.cor.

80.15 Intersect N.and S.line 37 lks.N.of the cor.of secs.8,9  
16, and 17;thence I run

N. $89^{\circ}42' W.$ bet.secs.8 and 17 on a true line.

Descending through dense sagebrush.

12.00 Enter cedar and pinon pine bears N.and S.

17.50 Begin steep descent bears NW.and SE.

30.00 Leave cedar and pinon pine timber bears N.and S.

Enter bottom.

35.50 Road Lieber to Vernal bears NW.and SE.

37.00 Red Creek 10 lks.wide course S.,in canon 300 ft.deep.

40.07 $\frac{1}{2}$  Set a granite 15x12x4 ins.10 ins.in the ground for  
 $\frac{1}{4}$  sec.cor.,marked  $\frac{1}{4}$  on N.face;and raise a mound of  
stone 2 ft.base 1 $\frac{1}{2}$  ft.high N.of cor.Pits impracticable.

54.00 Enter heavy cedar and pinon pine timber bears NW.and SE.

73.50 Leave timber.

80.15 The cor.of secs.7,8,17, and 18.

Land mountainous.

Soil stony and clay 3d rate.

Timber cedar and pinon pine.

Mountainous land,land heavily timbered,or land covered  
with dense undergrowth 80.15 chs.

SUBDIVISION OF T.3 S.R.8 W.

- Chain . N.89°54'W.on a random line bet.secs.7 and 18
- 40.00 Set temp. $\frac{1}{4}$  sec.cor.
- 78.05 Intersect Second Guide Meridian West 1 $\frac{1}{4}$  lks.S.of cor.of secs.7,12,13, and 18, heretofore described; thence I run S.89°48'E.on a true line bet.secs.7 and 18 over rolling mountainous land.
- 27.75 Ravine 250 ft.deep, course SE. Ascend. Begin steep ascent. Enter scattering cedar and pinon pine.
- 38.05 Set a cobblestone 15x10x5 ins.10 ins.in the ground for  $\frac{1}{4}$  sec.cor., marked  $\frac{1}{4}$  on N.face; from which A cedar 24 ins.diam.bears N.88°W.26 lks.dist. marked  $\frac{1}{4}$  S 7 B T No other bearing trees within limits; raise a mound of stone 2 ft.base 1 $\frac{1}{2}$  ft.high N.of cor.Pits impracticable.
- 55.50 Top of ridge bears NW.and SE.Descend.
- 78.05 The cor.of secs.7,8,17, and 18. Land mountainous.
- Soil clay and stony; 3d rate.
- Timber cedar and pinon pine.
- Mountainous land 78.05 chs.

Oct.29,1903.

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October 30: Sky overcast solar observation impossible.

N.0°10'W.bet.secs.7 and 8

Descending over rolling land; through heavy cedar and pinon pine.timber.

- 10.00 Leave timber; enter dense undergrowth.
- 18.20 Road Hebar to Vernal bears E.and W.
- 26.00 Red Creek 15 lks.wide in canon 250 ft., course SE. Enter dense willows.
- 28.00 Leave willows; enter dense artemisia bears NW.and SE.
- 40.00 Set a sandstone 16x12x4 ins.11 ins.in the ground for  $\frac{1}{4}$  sec.cor., marked  $\frac{1}{4}$  on W.face; dig pits 18x18x12 ins.N. and S.of stone 3 ft.dist.; and raise a mound of earth 3 $\frac{1}{2}$  ft. base 1 $\frac{1}{2}$  ft.high W.of cor.

SUBDIVISION OF T.3 S.R.8 W.

Chains. Enter heavy cedar and pinon pine bears. E. and W.  
43.50 Set a sandstone 18x12x8 ins. 12 ins. in the ground for cor. of secs. 5, 6, 7, and 8, marked with 5 notches on E. and 5 notches on S. edges; from which  
A cedar 12 ins. diam. bears N. 63° E. 22 lks. dist.  
marked T 3 S R 8 W S 5 B T  
A cedar 18 ins. diam. bears S. 39° E. 45 lks. dist.  
marked T 3 S R 8 W S 8 B T  
A cedar 16 ins. diam. bears S. 48° W. 18 lks. dist.  
marked T 3 S R 8 W S 7 B T  
A cedar 8 ins. diam. bears N. 32° W. 44 lks. dist.  
marked T 3 S R 8 W S 6 B T  
Land rolling.  
Soil clay 2nd rate.  
Timber cedar and pinon pine.  
Land Heavily timbered or covered with dense undergrowth  
80.00 chs.

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S. 89° 42' E. on a random line bet. secs. 5 and 8  
40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
80.17 Intersect N. and S. line 37 lks. S. of cor. of secs. 4, 5, 8 and 9; thence I run  
N. 89° 58' W. on a true line bet. secs. 5 and 8  
Over broken land; through heavy cedar and pinon pine timber.  
12.00 Ridge bears NW. and SE.; descend.  
20.00 Ravine 100 ft. deep, course SE. Ascend.  
40.08  $\frac{1}{2}$  Set a sandstone 18x8x6 ins. 12 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on N. face; from which  
A cedar 12 ins. diam. bears N. 25° W. 46 lks. dist.  
marked  $\frac{1}{4}$  S 5 B T  
A cedar 10 ins. diam. bears S. 30° W. 51 lks. dist.  
marked  $\frac{1}{4}$  S 8 B T  
63.00 Ridge bears N. and S.; descend.  
74.50 Gulch 40 ft. deep, course S. Ascend.

SUBDIVISION OF T.3 S.R.8 W.

Chains

80.17 The cor.of secs.5,6,7, and 8.

Land mountainous.

Soil clay;2nd rate.

Timber cedar and pinon pine.

Heavily timbered land.80.17 chs.

Oct.30,1903,at this corner I set off  $13^{\circ}34' S.$  on decl.

arc, and at 11.h.44 m.a.m.l.m.t.observe the sun on the meridian the resulting lat.is  $40^{\circ}15' N.$

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N. $89^{\circ}48' W.$ on a random.line betsecs.6 and 7

40.00 Set temp. $\frac{1}{4}$ .sec.cor.

77.80 Intersect Second Guide Meridian West 23 lks. N.of the cor. of secs.1,6,7, and 12,heretofore described.

Thence I run

S. $89^{\circ}58' E.$ on a true line betsecs.6 and 7

Over broken land and ledges;through heavy cedar and pine

3.50 Road bears NE.and SW.

15.00 Enter bottom and dense sagebrush.

Leave timber bears N.and S.

16.00 Red Creek 10 lks.wide in canon 200 ft.deep, course S.

Enter cedar and pinon pine;bears NE.and SW.

37.80 Set a sandstone 20x12x5 ins.15 ins.in the ground for  $\frac{1}{4}$  sec.cor.,marked  $\frac{1}{4}$  on N.face;from which

A cedar 10 ins.diam.bears S. $19^{\circ}W.$ 26 lks.dist.

marked  $\frac{1}{4} S 7 B T$

A cedar 16 ins.diam.bears N. $34^{\circ}E.$ 62 lks.dist.

marked  $\frac{1}{4} S 6 B T$

37.90 Wash drains S. running S.

77.80 Corner to secs.5,6,7, and 8.

Land mountainous.

Soil stony and clay.4th rate.

Timber pinon pine and cedar.

Mountainous land or land heavily timbered.77.80 chs.

SURVEY OF T. 3 S. R : W

Chains N.0°10'W.on a random line bet.secs.5 and 6  
40.00 Set temp. $\frac{1}{4}$  sec.cor.  
80.05 Intersect N.bdy.of Tp.18 lks.W.of corner to secs.5,6,  
31 and 32 heretofore described;thence I run  
S.0°05'E.bet.secs.5 and 6 on true line,  
Over broken land;through heavy cedar and pinon pine tim-  
ber.  
40.05 Set a sandstone 14x10x5 ins.9 ins.in the ground for  $\frac{1}{4}$   
sec.cor.,marked  $\frac{1}{4}$  on W.face;from which  
A cedar 24 ins.diam.bears S.75°W.29 lks.dist.  
marked  $\frac{1}{4}$  S 6 B T  
A cedar 15 ins.diam.bears N.60°W.23 lks.dist.  
marked  $\frac{1}{4}$  S 5 B T  
45.00 Road.bears E.and W.  
80.05 The cor.of secs.5,6,7,and 8.  
Land rolling and broken.  
Soil stony and clay 3d rate.  
Timber cedar and pinon pine.  
Heavily timbered land 80.05 chs.

October 30,1903.

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GENERAL DESCRIPTION.

The Southern and Northern portions of this Tp. are mountainous and broken; the central portion is rolling.

The soil is stony throughout; a small portion of the land along the bottoms of Currant and Red creeks will bear cultivation and sufficient water for irrigation can be obtained from the creeks.

A greater portion of the Tp. is covered with a heavy growth of cedar and pinon timber and a dense growth of sage, oak, service berry and squaw brush.

There is a good growth of grasses and therefore good grazing.

There is no mineral in the township.

SUBDIVISION OF T.3 S. R.8 W.U.S.B.& M.

There are no settlers in the township.

George H. Smith

U.S. Deputy Surveyor.

**Volume**

**#**

**R0312**

1000 1000

**FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.**

**LIST OF NAMES.**

A list of the names of the individuals employed by \_\_\_\_\_

\_\_\_\_\_, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of \_\_\_\_\_

showing the respective capacities in which they acted:

For final affidavits see book r J. T. L. S. R. 8 W. \_\_\_\_\_, *Chairman.*

\_\_\_\_\_, *Chairman.*

\_\_\_\_\_, *Moundman.*

\_\_\_\_\_, *Moundman.*

\_\_\_\_\_, *Axman.*

\_\_\_\_\_, *Axman.*

\_\_\_\_\_, *Flagman.*

**FINAL OATH OF ASSISTANTS.**

We hereby certify that we assisted \_\_\_\_\_

\_\_\_\_\_, United States Deputy Surveyor, in surveying all those parts or portions of the \_\_\_\_\_

of the \_\_\_\_\_

meridian, \_\_\_\_\_ of \_\_\_\_\_, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for \_\_\_\_\_

For final affidavits see book r J. T. L. S. R. 8 W. \_\_\_\_\_, *Chairman.*

\_\_\_\_\_, *Chairman.*

\_\_\_\_\_, *Moundman.*

\_\_\_\_\_, *Moundman.*

\_\_\_\_\_, *Axman.*

\_\_\_\_\_, *Axman.*

\_\_\_\_\_, *Flagman.*

Subscribed and sworn to before me this \_\_\_\_\_  
day of \_\_\_\_\_, 190 \_\_\_\_\_ }



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, \_\_\_\_\_, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from \_\_\_\_\_, United States Surveyor General for \_\_\_\_\_, bearing date of the day of \_\_\_\_\_, 190\_\_\_\_\_, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for \_\_\_\_\_, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of \_\_\_\_\_

For final affidavits see book "J" T. 1 S. R. 8 W.

..... of the.....  
..... meridian, in the..... of....., which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for ..... and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

United States Deputy Surveyor.

Subscribed by said \_\_\_\_\_, and sworn to before me }  
this ..... day of \_\_\_\_\_, 190 }

OOOOOO  
© SEAL ©  
OOOOOO

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, December 20, 1904.

The foregoing field notes of the survey of the Subdivisional lines of Township No. 1 South, Range No. 8 West of the Uintah Special Base and Meridian, Utah,

executed by George C. Swan and Frederick G. Ferron  
their \_\_\_\_\_ 278 under his contract No. \_\_\_\_\_, dated September 10, 1903, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

*Edward H. Anderson*  
United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in \_\_\_\_\_, has been correctly copied from the original notes on file in this office.

United States Surveyor General.

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FILED

OCT 8 1904

I. ✓

W.H.H.

# FIELD NOTES

OF THE SURVEY OF THE

Subdivision  
of  
Township No. 2 South.  
Range No. 8 West.

of the Uintah Special base<sup>try</sup> Meridian,  
In the state of Utah.

AS SURVEYED BY

George Swan, <sup>and</sup> Frederick C. Denon, United States Deputy Surveyors,  
Under his Contract No. 278, dated Sept. 10<sup>th</sup>, 1903,  
Survey commenced November 1<sup>st</sup>, 1903,  
Survey completed. " 13<sup>th</sup>, 1903

Swan F.C. Denon ✓

## NAMES AND DUTIES OF ASSISTANTS.

Thomas Heis chairman

Alfred J Peterson "

Alpha H Manning mound man

George Alexander batsman

Paul G. Richelson flagman

For preliminary affidavits see book "C" T.4 S.R.8 W.

BOOK A-312

INDEX DIAGRAM.

*Township* \_\_\_\_\_, *Range* \_\_\_\_\_

6	5	4	3	2	1
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18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

*Meanders Page* \_\_\_\_\_

## PRELIMINARY OATHS OF ASSISTANTS.

WE, ..... and .....

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

....., Chainman.

....., Chainman.

Subscribed and sworn to before me this ..... }  
day of ..... , 190 }



WE, ..... and .....

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

....., Moundman.

....., Moundman.

Subscribed and sworn to before me this ..... }  
day of ..... , 190 }



WE, ..... and .....

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

....., Axman.

....., Axman.

Subscribed and sworn to before me this ..... }  
day of ..... , 190 }



I, ..... , do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of

....., Flagman.

Subscribed and sworn to before me this ..... }  
day of ..... , 190 }



## SUBDIVISION OF T.2 S.R.8 W.

Chains. Survey commenced Nov.1,1903, and executed with a W.& L.E. Gurley light mountain transit No. with solar attachment; the horizontal limb being provided with two double verniers placed opposite to each other and reading to single minutes of arc.

The instrument was examined, tested on the true meridian at Salt Lake City, found correct, and was approved by the surveyor general for Utah Sept.19,1903.

I begin at the corner of secs.1,2,35, and 36 on the S. bdy. of the township, heretofore described; lat. $40^{\circ}15'54''$  N.; long. $110^{\circ}46'48''$  W.

In order to test the solar apparatus by comparing the results of observations on the sun made during a.m. and p.m. hours with a true meridian determined by observations on Polaris I proceed as follows:

At 4 h.00 m.p.m.l.m.t. I set off  $40^{\circ}16'N.$  on lat.arc  $14^{\circ}0'S.$  on decl.arc; and mark the meridian thus determined with the solar by a cross on a stone firmly set in the ground 5 chs.N. of the cor.

November 1,1903.

Nov.2,1903, at 4 h.39 m.a.m.l.m.t. I observe Polaris at western elongation in accordance with instructions in the Manual and mark the line thus determined by a tack driven in a wooden plug set 5.00 chs.N. of my station. At 7 h.30 m.a.m.l.m.t. I lay off the azimuth of Polaris  $1^{\circ}34'$  to the east and mark the meridian thus determined by cutting a small groove in the stone set last evening on which the meridian falls 0.3 ins.E. of the mark determined by the solar.

At 8 h.0 m.a.m.l.m.t. I set off  $40^{\circ}16'N.$  on the lat.arc;  $14^{\circ}27\frac{1}{2}'S.$  on the decl.arc, and mark the true meridian determined with the solar by a cross on the stone already

SUBDIVISION OF T.2 S.R.8 W.

Chains

set 5 chs. N. of my station; the mark falls .3 ins. E. of the meridian established by the Polaris observation.

The solar apparatus by p.m. and a.m. observations defines positions for meridian about  $0^{\circ}16'$  W. and  $0^{\circ}16''$  E. of the meridian established by the Polaris observation; therefore I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the meridian at 8 h.0 m.a.m., 1. m.t. is N. $16^{\circ}45'$  W.; the angle thus determined gives the mag. decl.  $16^{\circ}45'$  E.

From the cor. of secs. 1, 2, 35, and 36 on S. bdy. of Township heretofore described, I run

N. $0^{\circ}01'$  W. bet. secs. 35 and 36

Descending through dense sagebrush.

10.00 Enter cedar and pinon pine timber.

17.00 Hollow drains SE.

26.00 Small wash drains SE.

30.30 Small wash drains SE.

39.00 Ridge bears NW. and SE.

40.00 Set a sandstone 12x10x5 ins. 8 ins. in the ground for  $\frac{1}{4}$  section corner marked  $\frac{1}{4}$  on W. face; from which

A pine 6 ins. diam. bears S. $74^{\circ}E.75$  lks. dist.

marked  $\frac{1}{4}$  S 36 B T

A pine 8 ins. diam. bears S. $64^{\circ}W.43$  lks. dist.

marked  $\frac{1}{4}$  S 35 B T

45.40 Ravine 300 ft. deep, course SE.

Leave timber.

51.30 Road bears E. and W.

60.00 Enter heavy cedar and pinon pine timber.

73.20 Top of sandstone ledges and ridge bear NW. and SE.

78.00 Gulch drains SE.

80.00 Set a cobblestone 16x10x5 ins. 11 ins. in the ground for

SUBDIVISION OF T.2 S.R.8 W.

Chains.

cor. of secs. 25, 26, 35, and 36, marked with 1 notch on S. and E. edges; from which

A cedar 30 ins. diam. bears N.62°E. 15 lks. dist.

marked T 2 S R 8 W S 25 B T

A cedar 20 ins. diam. bears S.23°E. 33 lks. dist.

marked T 2 S R 8 W S 36 B T

A cedar 18 ins. diam. bears S.54°W. 19 lks. dist.

marked T 2 S R 8 W S 35 B T

A cedar 20 ins. diam. bears N.17°W. 32 lks. dist.

marked T 2 S R 8 W S 26 B T

Land mountainous.

Soil stony 2nd. and 3rd rate.

Timber cedar and pinon pine.

Mountainous land heavily timbered or covered with dense undergrowth 80.00 chs.

S.89°57'E. on a random line bet. secs. 25 and 36

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

80.06 Intersect E. bdy. of Tp. 7 lks. N. of the cor. of secs. 25, 30, 31. and 36, which is a sandstone 12x6 4 ins. above ground firmly set and marked and witnessed as described by Deputies Stewart and Booth under their contract No. 270; Thence I run

N.89°54'W. on a true line bet. secs. 25 and 36  
Ascending through heavy cedar and pinon pine timber;  
over mountainous land.

5.00 Ridge bears NW. and SW.

Enter scattering cedar and pinon pine timber, bears NW.  
and SE.

20.05 Wash course S.70°E.

21.00 Enter heavy cedar and pinon pine timber; begin steep ascent.

30.00 Ridge bears NW. and SW.

40.03 Set a cobble stone 20x14x10 ins. 15 ins. in the ground

## SUBDIVISION OF T. 3 S. 28. E. W.

Chains for + sec.cor., marked + on N. face; from which  
 A cedar 8 ins. diam. bears N. 60° E. 25 lbs. dist.  
 marked + S 25 E T  
 A cedar 6 ins. diam. bears S. 15° W. 8 lbs. dist.  
 marked + S 26 E T

46.00 Havine 150 ft. deep, course S.  
 70.00 Leave heavy timber; enter scattering timber.  
 80.00 The cor. of secs. 25, 26, 35, and 36  
 land mountainous.  
 Soil stony; sp. rate.  
 Timber pinon pine and cedar.  
 Mountainous land 80.00 chs.

---

Set a stone N. 0°01' W. bet. secs. 25 and 26  
 Ascending over mountainous land; through heavy cedar and  
 pinon pine timber.  
 Spur projects SE.  
 Wash drains SE.  
 Havine course SE.  
 Ridge bears E. and W.  
 Leave timber; enter sagebrush flat.  
 Leave flat; descend.  
 Bottom or hollow, course SE.  
 Ascend.  
 Ridge bears NW. and SE.  
 Havine 100 ft. deep, course SE.  
 Enter scattering cedar and pinon pine timber.  
 Set a sandstone 14x18x4 ins. 9 ins. in the ground for +  
 sec.cor., mark w. + on N. face; and raise a round of stone  
 n ft. base c 1½ ft. high W. of cor. Ascend.  
 Ridge bears N. E. and SE.  
 Havine 200 ft. deep, course SE. Ascend.  
 Flat ridge bears NW. and SE.  
 Leave timber.

SUBDIVISION OF T.8 S.R.8 W.

- Chains. 80.00 Set a sandstone 15x10x8 ins.10 ins.in the ground for cor.of secs.23,24,25, and 26,marked with 1 notch on E. and 2 notches on S.edge;and raise a mound of stone 2 ft. bas e  $1\frac{1}{2}$  ft.high W.of cor.  
Land mountainous.  
Soil stony;4th rate.  
Timber cedar and pinon pine.  
Mountainous land 80.00 chs.  
November 2,1903,at this cor.I set off  $14^{\circ}32\frac{1}{2}'S.$  on the decl.arc;and at 11 h.44 m.a.m.l.m.t.observe the sun on the meridian;the resulting lat.is  $40^{\circ}17'N$ .  

---

40. 00 S. $89^{\circ}54'E.$ on a random line bet.secs.24 and 25  
Set temp. $\frac{1}{4}$  sec.cor.  
80.01 Intersect E.bdy.of Tp.12 lks.N.of the cor.of secs.19, 24,25, and 30,which is a quartzite stone10x5x5 ins.above ground,firmlly set and marked and witnessed as described by Deputies Stewart and Booth,under their contract No.270.  
Thence I run  
N. $89^{\circ}48'W.$ on a true line bet.secs.24 and 25  
Ascending through heavy cedar and pinon pine.  
3.00 Leave timber;enter dense sagebrush.  
25.00 Enter scattering cedar and pine.  
39.00 Ridge bears NW.and SE.  
40.02 Set a cobble stone 13x8x6 ins.9 ins.in the ground for  $\frac{1}{4}$  sec.cor.,marked  $\frac{1}{4}$  on W.face;from which  
A cedar 5 ins.diam.bears S. $25^{\circ}E.$ 41 lks.dist.  
marked  $\frac{1}{4}$  S 25 B T  
A pine 16 ins.diam.bears N. $65^{\circ}30'W.$ 48 lks.dist.  
marked  $\frac{1}{4}$  S 24 B T  
55.00 Ravine 250 ft.deep,course SE.  
80.04 The corner of secs.23,24,25, and 26.  
Land mountainous.  
Soil stony;3rd rate.

SUBDIVISION OF T.2 S.R.8 W.

Chains.

Timber cedar and pinon pine.

Mountainous land heavily timbered or covered with dense undergrowth 80.04 chs.

N.0°01'W.bet.secs.23 and 24

Descending through dense sage and service berry brush, over mountainous land.

- 40.00 Set a cobble stone 14x10x8 ins.9 ins.in the ground for  $\frac{1}{4}$  sec.cor., marked  $\frac{1}{4}$  on W.face; and raise a mound of stone 2 ft. base  $1\frac{1}{2}$  ft. high W.of cor.
- 44.50 Creek 2 lks.wide course E., in ravine 200 ft.deep.
- 55.00 Enter broken sandstone ledges bear NW.and SE.
- 61.00 Point of spur projects SE.  
Enter dense oak brush.
- 71.00 Leave oak and enter sagebrush.
- 79.65 Ravine 250 ft.deep, course SE., then N.80°E.
- 80.00 Set a sandstone 12x8x8 ins.8 ins.in the ground for cor. of secs.13.14.23.and 24.;marked with 1 notch on E.and 3 notches on S.edges;and raise a mound of stone 2 ft. base  $1\frac{1}{2}$  ft. high W.of cor.  
Land mountainous.  
Soil stony;3d rate.  
No timber.  
Mountainous land;or land covered with dense undergrowth 80.00 chs.

---

S.89°49'E.on a random line bet.secs.13 and 24

- 40.00 Set temp. $\frac{1}{4}$  sec.cor.
- 80.08 Intersect E.bdy.of Tp.5 lks.S.of the cor.of secs.13,18, 19 and 24, on E.bdy.of Tp., which is a sandstone 16x6x5 ins.above ground firmly set and marked and witnessed as described by Deputies Stewart and Booth under their contract No.270.

SUBDIVISION OF T.2 S.R.8 W.

Chains.	N. $89^{\circ}51'W$ .on a true line bet.secs.13 and 24 Descending over mountainous land through dense sage and scattering oak brush.
25.00	Ravine 300 ft.deep, course NE.
40.04	Set a sandstone 14x8x8 ins.9 ins.in the ground for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on W.face; and raise a mound of stone 2 ft.base $1\frac{1}{2}$ ft.high N.of cor. Ascend.
50.00	Bluff bears NW.and S.E. Enter cedar and pinon pine timber.
57.00	Leave timber.
58.50	Trail bears N.and S.
79.30	Ravine 250 ft.deep, course N. $80^{\circ}E$ .
80.08	The corner of secs.13,14,23, and 24. Land mountainous. Soil stony; 3d rate. Timber cedar and pinon pine. Mountainous land covered with timber or dense under-growth 80.08 chs.

November 2, 1903.

November 3, 1903.at 8 h.0 m.a.m.l.m.t.I set off  $14^{\circ}46\frac{1}{2}'S$ .on decl.arc;  $40^{\circ}18\frac{1}{2}'W$ .on the lat.arc; and determine a true meridian with the solar at the cor.of secs.13,14, 23 and 24; thence I run

$N.0^{\circ}01'W$ .bet.secs.13 and 14

Ascending through scattering cedars and oak brush.

13.00	Ascend abruptly. Enter dense cedar and pinon pine timber.
17.00	Ridge bears NW.and SE.
17.50	Leave timber bears NW.and SE.; enter dense oak brush.
25.50	Leave oak brush; enter flat covered with dense sagebrush.
40.00	Set a cobble stone 12x10x8 ins.8 ins.in the ground for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on W.face; and raise a mound of stone 2 ft.base $1\frac{1}{2}$ ft.high W.of cor.

SUBDIVISION OF T.2 S.R.8 W.

Chains	Leave flat.
47.00	Enter dense cedar and pinon pine timber.
55.00	Enter ledges bear NW. and SE.
58.50	Spur projects E. Leave timber.
76.00	Hollow drains SE.
80.00	Set a cobblestone 20x17x6 ins. 15 ins. in the ground for the cor. of secs. 11, 10, 13, and 14; marked with 1 notch on E. and 4 notches on S. edges; and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
	Land mountainous.
	Soil 3d rate, stony.
	Timber cedar and pinon pine.
80.00	Mountainous land, heavily timbered or covered with dense undergrowth 80.00 chs.
	  S.89°51'E. on a random line bet. secs. 12 and 13
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.00	Intersect E. bdy. of Tp. 28 lks. N. of the cor. of secs. 7, 12, 13, and 18, which is a sandstone 12x8x6 ins. above ground, firmly set and marked and witnessed as described by Deputies Stewart and Booth under their contract No. 270.
	Thence I run
	N.89°38'W. on a true line bet. secs. 12 and 13.
	Ascending through dense sagebrush; along flat top of ridge.
28.00	Spur projects SE.
	Enter cedar and pinon pine timber. Leave sagebrush.
38.50	Ravine 200 ft. deep, course SE.
	Leave cedar and pinon pine; enter dense sagebrush.
40.00	Set a cobble stone 14x10x8 ins. 9 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high N. of cor.
80.00	The cor. of secs. 11, 12, 13, and 14.
	Land mountainous.
	Soil stony; 3d and 4th rate.
	Timber cedar and pinon pine.

SUBDIVISION OF T 2 S.R.8 W.

Chains

Mountainous land covered with timber or dense under-growth 80.00 chs.

N.0°01'W.bet.secs.11 and 12.

Ascending through dense sage and squaw brush.

20.00 Ridge bears NW.and SE.

30.00 Ravine 300 ft.deep, course SE.

40.00 Set a sandstone 16x12x10 ins.11 ins.in the ground for  $\frac{1}{4}$  sec.cor.,marked  $\frac{1}{4}$  on W.face;and raise a mound of stone 2 ft.base  $1\frac{1}{2}$  highW.of cor.

59.50 Spur projects SE.

64.85 Enter cedar and pinon pine timber;bears NW.and SE.

75.00 Leave timber;enter dense sage and oak brush.

80.00 Set a cobble stone 14x10x8 ins.9 ins.in the ground for cor.of secs.1,2,11, and 12,marked with 1 notch on E.and 5 notches on Sedges;and raise a mound of stone 2 ft. base  $1\frac{1}{2}$  ft.high W.of cor.

Land mountainous.

Soil stony;3d rate.

Timber cedar and pinon pine.

Mountainous land covered with timber or dense under-growth 80.00 chs.

November 3,1903,at this cor.I set off  $14^{\circ}51\frac{1}{2}'$  S.on decl. arc;and at 11 h.44 m.a.m.l.m.to observe the sun on the meridian;the resulting lat.is  $40^{\circ}20'15''$  N.

S. $89^{\circ}39'$  N.on a random line bet.secs.1 and 12

40.00 Set temp. $\frac{1}{4}$  sec.cor.

80.02 Intersect E.bdy.of Tp.10 lks.S.of the cor.of secs.1,2, 11, and 12,which is a quartzite stone 6x8x5 ins.above ground,firmly set and marked and witnessed as described by Deputies Stewart and Booth under their contract No.270

SUBDIVISION OF T.2 S.R.8 W.

Chains. Thence I run

N. $29^{\circ}45'W.$  on a true line bet. secs. 1 and 12

Ascending through dense oak brush.

5.00 Enter cedar and pinon pine timber; bears NW. and SE.

8.00 Leave timber;

32.00 Enter dense maple brush bears NW. and SE.

33.55 Leave brush.

40.01 Set a cobble stone 15x11x8 ins. 10 ins. in the ground for  $\frac{1}{4}$  sec.cor.. marked  $\frac{1}{4}$  on N.face; and raise a mound of stone 2 ft. base  $1\frac{1}{2}$  ft. high N.of cor.

55.00 Spur ridge projects SE.

Descend.

60.00 Ravine 200 ft. deep, course SE.

77.00 Enter scattering aspen timber; bears NW. and SE.

80.02 The cor.of secs. 1,2,11, and 12.

Land mountainous.

Soil stony; 3d and 4th rate.

Timber cedar, pinon pine and maple.

Mountainous land, covered with timber or dense under-growth 80.03 chs.

N. $0^{\circ}01'W.$  on a random line bet. secs. 1 and 2

40.00 Set temp.  $\frac{1}{4}$  sec.cor.

79.27 Intersect N.bdy.of Tp.9 1ks.W.of cor.of secs. 1,2,35, and 36, heretofore described; thence I run

S. $0^{\circ}03'W.$  on true line bet. secs. 1 and 2

Ascending, through dense oak and squaw brush.

9.75 Spur projects E. Descend.

21.00 Ravine 150 ft. deep, course SE.

Enter cedar and pinon pine timber.

39.27 Set a sandstone 13x10x10 ins. 9 ins. in the ground for  $\frac{1}{4}$  sec.cor.. marked  $\frac{1}{4}$  on W.face; from which

A pine 8 ins. diam. bears S. $34^{\circ}30'E.$  129 lks. dist.

SUBDIVISION OF T.2 S.R.8 W.

Chains      marked  $\frac{1}{4}$  S 1 B T  
A pine 18 ins. diam. bears S.  $21^{\circ}$  W. 146 lks. dist.  
marked  $\frac{1}{4}$  S 2 B T  
42.00 Spur projects E. Descend.  
54.00 Ravine 500 ft. deep, course E.  
Ascend.  
64.00 Spur ridge projects N.  
79.27 The cor. of secs. 1, 2, 11, and 12.  
Land mountainous.  
Soil stony 3d and 4th rate.  
Timber cedar and pinon pine.  
Mountainous land covered with timber or dense under-growth 79.27 chs.

November 3, 1903.

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November 4, 1903. at 8 h.0 m.a.m.l.m.t. I set off 40° 16' N. on lat. arc; 15° 05' S. on decl. arc; and determine a true meridian with the solar at the cor. of secs. 2, 3, 34 and 35 on S. bdy. of Tp. heretofore described.

Thence I run

N.  $0^{\circ}02'$  W. bet. secs. 34 and 35

Descending through dense sagebrush.

2.00 Wash drains SW. Ascend.  
15.00 Ravine 150 ft. deep, course W.  
35.00 Enter cedar and pinon pine bears NW. and SE. (Timber dense)  
Enter sandstone ledges 20 ft. high bear E. and W.  
40.00 Set a sandstone 20x10x8 ins. 15 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on W. face; from which

A cedar 20 ins. diam. bears S.  $1^{\circ}$  E. 15 lks. dist.

marked  $\frac{1}{4}$  S 35 B T

A cedar 14 ins. diam. bears N.  $2^{\circ}$  W. 22 lks. dist.

marked  $\frac{1}{4}$  S 34 B T

Chains.  
55.00 Ridge bears NW. and SE.  
80.00 Leave timber 34 and 4th rate;  
Set a sandstone 18x10x9 ins.12 ins.in the ground for  
cor.of secs.26,27,34, and 35;marked with 2 notches on E.  
and 1 notch on S.edge;and raise a mound of stone 2 ft.  
base 1 $\frac{1}{2}$  ft.high W.of cor.  
Land mountainous.  
Soil stony;3d and 4th rate;  
Timber cedar and pinon pine.  
Mountainous land,heavily timbered or covered with dense  
undergrowth 80.00 chs.

S $^{\circ}$ .89 $^{\circ}$ 57' E.on a random line bet.secs.26 and 35  
40.00 Set temp. $\frac{1}{4}$  sec.cor.  
80.07 Intersect N.and S.line 12 lks.S.of the cor.of secs.25,  
26,35, and 36;thence I run  
S.29 $^{\circ}$ 58' W.on a true line bet.secs.26 and 35  
Ascending through heavy cedar and pinon pine timber.  
2.00 Wash drains SE.  
16.00 Wash drains N.. Ascend.  
21.00 Ridge bears NW. and SE.  
22.40 Enter broken sandstone ledges 15 ft.high;bear NW. and SE.  
23.00 Ravine 75 ft.deep,course S.  
40.03 Set a sandstone 20x14x10 ins.18 ins.in the ground for  
cor.cor..marked  $\frac{1}{4}$  on N.face:from which  
A pine 30 ins.diam.bears S.4 $^{\circ}$ E.54 lks.dist.  
marked  $\frac{1}{4}$  S 35 E T  
A pine 4 ins.diam.bears N.13 $^{\circ}$ E.35 lks.dist.  
marked  $\frac{1}{4}$  S 26 E T  
45.00 Leave timber bears NW. and SE.  
Enter dense sagebrush;bearw NW. and SE.  
Road bears NW. and SE.  
Ravine 100 ft.deep,course SE.

SUBDIVISION OF T. 2 S., R. 8 W.

Chains

- 80.07 The cor. of secs. 26, 27, 34, and 35.  
 Land, mountainous.  
 Soil, stony; 2nd and 4th rate.  
 Timber, cedar and pinon pine.  
 Mountainous land heavily timbered or covered with dense undergrowth, 80.07 chs.

N.  $0^{\circ}02'$  W., bet. secs. 26 and 27.

- Descending through dense sagebrush.
- 8.00 Ravine, 300 ft. deep, course SE.
- 9.00 Old road, bears NW. and SE.
- 30.00 Enter dense cedar and pinon pine timber.
- 40.00 Set a sandstone, 18x13x8 ins., 12 ins. in the ground, for  $\frac{1}{4}$  sec. cor., mkd.  $\frac{1}{2}$  on W. face; from which  
 A pinon pine, 8 ins. diam., bears E.,  
 11 lks. dist., mkd.  $\frac{1}{2}$  S 26 B T.  
 A pinon pine, 8 ins. diam., bears W.,  
 10 lks. dist., mkd.  $\frac{1}{2}$  S 27 B T.
- 54.00 Leave timber, bears NW. and SE.
- Enter dense sage and squaw brush, bears NW. and SE
- 60.00 Ridge, bears NW. and SE.
- 80.00 Set a sandstone, 18x14x6 ins., 11 ins. in the ground, for cor. of secs. 22, 23, 26, and 27, mkd. 2 notches on E. and S. edges; and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.  
 Land, mountainous.  
 Soil, stony; 3rd rate.  
 Timber, cedar and pinon pine.  
 Mountainous land heavily timbered or covered with dense undergrowth, 80.00 chs.

November 4, 1903: At this cor., I set off  $15^{\circ}10\frac{1}{2}'$  S. on decl. arc; and at 11n. 44m. a.m. l.m.t., observe the sun on the meridian; the resulting lat. is  $40^{\circ}17\frac{1}{2}'$  N.

SUBDIVISION OF T. 2 S., R. 8 W.

- Chains N.  $89^{\circ}58' E.$ , on a random line bet. secs. 23 and 26.
- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 80.09 Intersect N. and S. line, 7 lks. N. of the cor. of secs. 23, 24, 25, and 26; thence I run
- $N. 89^{\circ}59' W.$ , on a true line bet. secs. 23 and 26.
- Ascending through dense sage and squaw brush.
- 36.00 Ridge, bears NW. and SE.
- Enter cedar and pinon pine timber.
- 40.04  $\frac{1}{2}$  Set a sandstone, 18x12x10 ins., 12 ins. in the ground, for  $\frac{1}{4}$  sec. cor., mkd.  $\frac{1}{2}$  on N. face; from which
- A pine, 6 ins. diam., bears S.  $10^{\circ} E.$ ,
- 11 lks. dist., mkd.  $\frac{1}{2}$  S. 26 B.T.
- A pine, 5 ins. diam., bears N.  $35^{\circ} W.$ ,
- 15 lks. dist., mkd.  $\frac{1}{2}$  S. 23 B.T.
- 46.00 Ravine, 250 ft. deep, course SE.
- Leave timber.
- 62.00 Spur ridge, bears NW. and SE.
- 73.00 Ravine, 200 ft. deep, course SE.
- 80.09 The cor. of secs. 22, 23, 26, and 27.
- Land, mountainous.
- Soil, stony; 3rd and 4th rate.
- Timber, cedar and pinon pine.
- Mountainous land, heavily timbered or covered with dense undergrowth, 80.09 chs.
- $N. 0^{\circ}02' W.$ , bet. secs. 22 and 23.
- Descending through dense sage and squaw brush.
- 8.00 Ravine, 150 ft. deep, course SE.
- 13.00 Ridge, bears NE. and SW.
- 27.00 Wash, drains E.
- Ascend through scattering cedar and pinon pine.
- 40.00 Set a sandstone, 16x10x8 ins., 11 ins. in the ground, for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{2}$  on W. face; and raise a mound of stone, 2 ft. base  $1\frac{1}{2}$  ft. high W. of cor.
- Pits impracticable.

SUBDIVISION OF T.2 S.R.8 W.

Chains. 42.00 Ravine: 300 ft. deep; coarse SEI.  
75.00 Leave scattering cedar and pinon pine timber; enter dense  
squaw brush; bears NW. and SE.  
78.00 Ridge bears W. and NE.  
80.00 Set a sandstone 15x8x6 ins. 10 ins. in the ground for  
cor. of secs. 14, 15, 22, and 23; marked with 2 notches on E.  
and 4 notches on S. edge; and raise a mound of stone 2 ft.  
base 1½ ft. high W. of cor.  
Land mountainous.  
Soil stony 3d rate.  
Timber cedar and pinon pine.  
Mountainous land, covered with timber or dense undergrowth  
80.00 chs.

S. 89°59' E. on a random line bet. secs. 14 and 23  
40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
80.00 Intersect N. and S. line 5 lks. N. of the cor. of secs. 13,  
14, 23, and 24; thence I run  
N. 89°57' W. on a true line bet. secs. 14 and 23  
Descending through dense oak and sage brush.  
5.00 Ravine 150 ft. deep, coarse SE.  
Ascend through dense squaw and service berry brush.  
40.00 Set a cobble stone 20x13x8 ins. 15 ins. in the ground for  
 $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on N. face; and raise a mound of  
stone 2 ft. base 1½ ft. high N. of cor.  
42.00 Ridge bears NW. and SE.  
60.00 Ravine 300 ft. deep, coarse S.  
80.00 The cor. of secs. 14, 15, 22, and 23.  
Land mountainous.  
Soil stony 4th rate.  
No timber.  
Mountainous land covered with dense undergrowth 80.00  
chs.

November 4, 1903.

SUBDIVISION OF T.2 N.R.8 W.

Chains.

November 5, 1903, at 8 h.0 m.a.m.l.m.t. I set off  $40^{\circ} 57' 18\frac{1}{2}'$  N. on the lat. arc;  $15^{\circ} 24'$  S. on the decl. arc; and determine a true meridian with the solar at the cor. of secs. 14, 15, 22, and 23; thence I run

$N.0^{\circ} 02' W.$  bet. secs. 14 and 15

Descending through dense squaw and oak brush.

27.00 Ravine 350 ft. deep, course SE..

40.00 On side of hill,

Set a cobble stone 15x8x6 ins. 10 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on W. face; and raise a mound of stone 2 ft. base  $1\frac{1}{2}$  ft. high W. of cor..

60.00 Top of ridge bears NW. and SE..

8 Descend.

80.00 In ravine 300 ft. deep, course SE..

Set a cobble stone 16x8x6 ins. 11 ins. in the ground for cor. of secs. 10, 11, 14, and 15; marked with 2 notches on E. and 4 notches on S. edge; and raise a mound of stone 2 ft. base  $1\frac{1}{2}$  ft. high W. of cor..

Land mountainous.

Soil stony; 4th rate.

No timber.

Mountainous land covered with dense undergrowth 80.00 chs.

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S.  $89^{\circ} 57'$  E. on a random line bet. secs. 11 and 14

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

80.07 Intersect N. and S. line 5 lks. N. of the cor. of secs. 11, 12, 13 and 14; thence I run

$N.89^{\circ} 55' W.$  on a true line bet. secs. 11 and 14

Ascending through dense squaw and sagebrush.

19.70 Spur ridge bears NW. and SE..

40.03  $\frac{1}{2}$  In ravine 250 ft. deep,

Set a cobble stone 22x16x10 ins. 16 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on N. face; and raise a mound of

SUBDIVISION OF T.2 S.R.8 W.

Chains stone 2 ft. base  $1\frac{1}{2}$  ft. high N.of cor.  
60.00 Top of ridge bears NW.and SE.  
80.07 The cor.of secs.10,11,14, and 15.  
Land mountainous.  
Soil stony 3d and 4th rate.  
No timber.  
Mountainous land covered with dense undergrowth 80.07  
chs.

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N.0°02'W.betsecs.10 and 11

Ascending through dense squaw and oak brush.  
20.00 Top of ridge near NW.and SE.  
40.00 Set a cobble stone 12x10x6 ins.8 ins.in the ground for  
 $\frac{1}{4}$  sec.cor.,marked  $\frac{1}{4}$  on W.face;and raise a mound of stone  
2 ft.base  $1\frac{1}{2}$  ft. high W.of cor.  
41.00 Ravine 300 ft.deep,course SE. Ascend.  
51.00 Sour ridge projects SE. Descend.  
68.00 Ravine 300 ft.deep,course SE.  
80.00 Set a sandstone 15x9x6 ins.10 ins.in the ground for cor.  
secs.2,3,10, and 11,marked with 2 notches on E.and 5  
notches on S.edge;and raise a mound of stone 2 ft.base  $1\frac{1}{2}$   
ft. high W.of cor.Pits impracticable.  
Land mountainous.  
Soil stony;3d rate.  
No timber.  
Mountainous land covered with dense undergrowth 80.00  
chs.  
Nov.5,1903,at this cor.I set off  $15^{\circ}29'$ S:on decl. arc;  
and at 11 h.44 m.a.m.l.n.t.observe the sun on the me-  
ridian;the resulting lat.is  $40^{\circ}20'15''$  N..

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S.89°55'E.on a random line betsecs.2 and 11  
40.00 Set temp. $\frac{1}{2}$  sec.cor.  
79.94 Intersect N.and S.line 23 lks.S.of the cor.of secs.1,2,

SUBDIVISION OF T

Chains.

11, and 12; thence I run

S. $89^{\circ}55'$ W.on a true line bet.secs.2 and 11

Ascending through dense sagebrush.

5.00 Top of spur projects S. $30^{\circ}$ E. Descend.

35.00 Ravine 350 ft.deep, course SE.

Enter dense aspen timber; bears NW. and SE.

39.97 Set a cobble stone 10x8x7 ins. 7 ins.in the ground for  
 $\frac{1}{4}$  sec.cor.marked  $\frac{1}{4}$  on N.face; from which

An aspen 5 ins.diam.bears S. $10^{\circ}$ E. 10 lks.dist.

marked  $\frac{1}{4}$  S 11 B T

An aspen 7 ins.diam.bears N. $15^{\circ}$ W. 20 lks.dist.

marked  $\frac{1}{4}$  S 2 B T

72.00 Leave aspen timber; bears NW. and SE.

Ascend.

77.00 Top of ridge bears NW. and SE. Descend.

79.94 The cor.of secs.2,3,10, and 11.

Land mountainous.

Soil stony; 2d and 4th rate.

Timber aspen.

Mountainous land heavily timbered or covered with dense undergrowth 79.94 chs.

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N. $0^{\circ}02'$ W.on a random line bet.secs.2 and 3

40.00 Set temp. $\frac{1}{4}$  sec.cor.

79.40. Intersect N.bdy.of Tp.18 lks.W.of the cor.of secs.2,3,  
34 and 35, heretofore described. To wit, at the point of  
intersection.

Thence I run

S. $0^{\circ}066$ W.on a true line bet.secs.2 and 3

Ascending through dense oak. and squaw brush and scat-  
tering aspen timber.

4.00 Spur projects NE.

12.00 Ravine 150 ft.deep, course NE.

Ascend.

SUBDIVISION OF T.2 S.R.8 W.

Chains. Ridge bears NE. and W.  
31.00 Head of hollow,drains NE.  
Enter dense aspen timber bears E.and W.  
39.40 Set a cobble stone 10x8x7 ins.7 ins.in the ground for  
 $\frac{1}{2}$ .sec.cor.,marked  $\frac{1}{4}$  on W.face;from which  
An aspen 5 ins.diam.bears S.10°E.10 lks.dist.  
marked  $\frac{1}{4}$  S 2 B T  
An aspen 7 ins.diam.bears N.15°W. 2 lks.dist.  
marked  $\frac{1}{4}$  S 3 B T  
Enter dense pine timber;bears E.and W.  
50.00 Leave pine and aspen timber;bears E.and W.  
57.00 Spur projects E.  
70.00 Enter dense growth of young aspen timber;bears Eand W.  
77.00 Ridge bears NW.and SE. Leave aspen timber.  
79.40 The cor.of secs.2,3,10, and 11.  
Land mountainous.  
Soil stony;3d and 4th rate.  
Timber pine and aspen.  
Mountainous land heavily timbered.or covered with dense  
undergrowth 79.40 chs.

November 5,1903.

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November 6,1903;at 8 h.0 m.a.m.l.m.t.I set off 15°42'S.  
on the decl.arc;40°.16M" N.on lat.arc, and determine a  
true meridian with the solar at the cor.of sec..3,4.  
33 and 34 on S.bdy<sup>1</sup> of Tp.herebefore described.  
Thence I run

N.0°02'W.betsecs.33 and 34

Ascending through heavy cedar and pinon pine timber,  
dense squaw brush.

4.10 Enter sandstone ledges bear NW.and SE.  
15.00 Ravine 250 ft.deep course SE.  
31.50 Spur projects SE.  
40.00 Point for  $\frac{1}{4}$  sec.cor.falls on sandstone boulder in place

SUBDIVISION OF T 2 S.R.8 W.

Chains

3x2x1 ft. above ground, on which

I cut a cross (X) at exact point for  $\frac{1}{4}$  sec.cor. marked  $\frac{1}{4}$  on W.of cross; from which

A boulder 10x10x5 ins. above ground bears N.75°W.

43 lks.dist., marked  $\frac{1}{4}$  S 33 B 0

A pine 30 ins.diam.bears S.15°E.20 lks.dist.

marked  $\frac{1}{4}$  S 34 B T

51.50 Leave timber bears E. and W.; enter dense sagebrush.

63.50 Old road.bears NW. and SE.

68.70 Ravine 300 ft. below  $\frac{1}{4}$  sec.cor.course SE.

80.00 Set a sandstone 18x10x6 ins.12 ins.in the ground for cor.

of secs.27,28,33, and 34, marked with 1 notch on S. and 3

notches on E.edge; and raise a mound of stone 2 ft.base  $\frac{1}{2}$  ft.  
1 $\frac{1}{2}$  ft.high W.of cor.

Land mountainous.

Soil clay and sandy 2d and 4th rate.

Timber cedar and pinon pine.

Mountainous land, heavily timbered or covered with dense  
undergrowth 80.00 chs.

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S.89°57'E.on a random line betsecs.27 and 34

40.00 Set temp. $\frac{1}{4}$  sec.cor.

79.96 Intersect N. and S.line 17 lks.S.of the cor.of secs.26,  
27,34, and 35; thence I run

S.89°56'W.on a true line betsecs.27 and 34

Ascending through heavy cedar and pinon pine timber

39.98 Set a sandstone 15x10x8 ins.10 ins.in the ground, for  $\frac{1}{4}$   
sec.cor., marked  $\frac{1}{4}$  on N.face; from which

A pine 16 ins.diam.bears N.50°W.95 lks.dist.

marked  $\frac{1}{4}$  S 27 B T

A pine 8 ins.diam.bears S.E.78 lks.dist.

marked  $\frac{1}{4}$  S 34 B T

SUBDIVISION OF T.2 S.R.8 W.

Chains 44.50 Leave timber bears NW. and SE.  
Enter sandstone ledges on ridge bears NW. and SE.  
Enter dense sage and squaw brush.  
79.96 The cor. of secs. 27, 28, 33, and 34.  
Land mountainous.  
Soil clay and stony 2d and 4th rate.  
Timber cedar and pinon pine.  
Mountainous land heavily timbered or covered with dense undergrowth 79.96 chs.

N. 0°02' W. bet. secs. 27 and 28

Ascending through dense sagebrush.  
22.00 Enter heavy cedar and pinon pine timber.  
Ascend abruptly over broken sandstone ledges bear NW. and SE.  
32.50 Leave ledges, top of ridge bears NW. and SE. Descend.  
35.00 Leave timber bears NW. and SE.  
40.00 Set a sandstone 15x8x8 ins. 10 ins. in the ground for  $\frac{1}{4}$  sec. cor., mar ked  $\frac{1}{4}$  on W. face; dig pits 18x18x12 ins. N. and S. of stone 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base  $1\frac{1}{2}$  ft. high W. of cor.  
52.70 Top of spur projects E.  
Descend  
56.00 Wash drains E.; ascend.  
62.40 Old road bears NW. and SE.  
80.00 Set a sandstone 15x8x8 ins. 10 ins. in the ground for cor. of secs. 21, 22, 27, and 28, marked with 3 notches on E. and 2 notches on S. edge; dig pits 18x18x12 ins. in each sec.  $5\frac{1}{2}$  ft. dist., and raise a mound of earth 4 ft. base 2 ft. high W. of cor.  
Land mountainous.  
Soil sandy and stony 1st and 2d rate.  
Timber cedar and pinon pine.  
Mountainous land heavily timbered or covered with dense

SUBDIVISION OF T.2 S.R.3 W.

Chains

undergrowth 80.00 chs.

November 6, 1903, at this cor. I set off  $15^{\circ}47' S.$  on decl. arc and at 11 h.44 m.a.m.l.m.t. observe the sun on the meridian the resulting lat. is  $40^{\circ}17\frac{1}{2}' N.$

- N. $89^{\circ}56' E.$  on a random line bet. secs. 22 and 27  
40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
80.06 Intersect N. and S. line 16 lks. N. of the cor. of secs. 22, 23, 26, and 27; thence I run  
N. $89^{\circ}57' W.$  on a true line bet. secs. 22 and 27  
Ascending through dense sage and squaw brush.  
22.00 Top of ridge bears NW. and SE.  
Descend; enter heavy cedar and pinon pine timber.  
39.70 Ravine 300 ft. deep, course S.  
Leave timber bears N. and S.  
40.03 Set a sandstone 13x8x5 ins. 9 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on N. face; dig pits 18x18x12 ins. E. and W. of stone 3 ft. dist.; raise a mound of earth  $3\frac{1}{2}$  ft. base  $1\frac{1}{2}$  ft. high N. of cor.  
43.00 Spur ridge bears NW. and SE.  
Descend.  
50.00 Hollow course S.  
Ascend.  
54.00 Top of spur projects SE.  
67.75 Enter sandstone ledges bear N. and S. 12 ft. high.  
80.06 The cor. of secs. 21, 22, 27, and 28.  
Land mountainous. . .  
Soil stony; 4th rate.  
Timber cedar and pinon pine.  
Mountainous land, heavily timbered or covered with dense undergrowth 80.06 chs.

SUBDIVISION OF T.2 S.R.8 W

Chains	Ascending through dense sagebrush.
16.50	Enter heavy cedar and pinon pine timber.
	Ascend over broken sandstone ledges, bears NW. and SE.
26.00	Spur projects SE.
	Descend through fire-killed timber
39.70	Ravine 250 ft. deep, course SE.
40.00	Set a sandstone 30x20x12 ins. 22 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high W. of cor. Ledge 10 ft. high bears N. $40^{\circ}$ E. 22 lks. dist., marked $\frac{1}{4}$ S 22 B O, with a cross
65.00	High knoll 1 ch.E.
71.00	Ridge bears NW. and SE., 800 ft. above $\frac{1}{4}$ sec. cor.
75.00	Hollow course E.
80.00	On top of spur projects E., Set a cobble stone 16x12x9 ins. 11 ins. in the ground for cor. of secs. 15, 16, 21, and 22; marked with 3 notches on S. and E. edges; 2 S on N.E. and SW on SW. face; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high W. of cor. Land mountainous. Soil stony 2d and 4th rate, Timber cedar and pinon pine. Mountainous land 80.00 chs.
40.00	S. $89^{\circ}57'$ E. on a random line bet. secs. 15 and 22 Set temp. $\frac{1}{4}$ sec. cor.
79.98	Intersect N. and S. line 28 lks. S. of the cor. of secs. 14, 15, 22, and 23; thence I run S. $89^{\circ}51'$ W. on a true line bet. secs. 15 and 22
19.00	Ascending through dense sage and oak brush, and pine timber. Top of ridge bears NW. and SE.
27.00	Enter sandstone ledges 15 ft. high bear NW. and SE.
38.00	Bottom of gulch drains S.

SUBDIVISION OF T. 2 S. R. W.

Chains.

39.98 Set a sandstone 14x10x4 ins. 9 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on N. face; from which

A pine 4 ins. diam. bears N. 40° E. 26 lks. dist.

marked  $\frac{1}{4}$  S 15 B T

A pine 10 ins. diam. bears S. 55° W. 11 lks. dist.

marked  $\frac{1}{4}$  S 22 B T

43.00 Ravine 400 ft. deep course SE.

79.98 The cor. of secs. 15, 16, 21, and 22.

Land mountainous.

Soil clay and stony 2d. and 4th rate.

Timber cedar and pinon pine.

Mountainous or heavily timbered land, or land covered with dense undergrowth 79.98 chs.

November 6, 1903.

November 7, 1903, at 8 h. o.m. a.m. 11 m.t. I set off 40° 18' N. on the lat. arc; 16° 00' S. on decl. arc and determine a true meridian with the solar at the cor. of secs. 15, 16, 21, and 22; thence I run

N. 0° 02' W. bet. secs. 15 and 16

Descending over mountainous land through dense squaw and oak brush.

40.00 Set a cobble stone 12x9x8 ins. 8 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on W. face; and raise a mound of stone 2 ft. base  $1\frac{1}{2}$  ft. high W. of cor.

52.00 Ravine 400 ft. deep, course SE.

79.00 Top of ridge bears NW. and SE.

Descend.

80.00 Set a limestone 18x12x8 ins. 12 ins. in the ground for cor. of secs. 9, 10, 15, and 16; marked with 4 notches on st. and 3 notches on N. edges; and raise a mound of stone 2 ft. base  $1\frac{1}{2}$  ft. high W. of cor.

Land mountainous.

## SUBDIVISION OF T.22 S.R.8 W.

Chains      Soil stony; 3rd rate.  
               No timber.  
               Mountainous land, or land covered with dense undergrowth  
 10.00      80.00 chs.

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N.89°51'E.on a random line bet.secs.10 and 15  
 40.00 Set temp. $\frac{1}{4}$  sec.cor.  
 80.10 Intersect N.and S.line 7 lks.N.of the cor.of secs.10,11  
         14, and 15; thence I run  
               S.89°54'W.on a true line bet.secs.10 and 15  
               Ascending over mountainous land through dense squaw and  
               oak brush.  
 25.00 Top of ridge bears NW.and SE.  
 40.05 Set a shale stone 14x8x6 ins.9 ins.in the ground for  $\frac{1}{4}$   
               sec.cor., marked  $\frac{1}{2}$  on N.face; and raise a mound of stone  
               2 ft.base 1 $\frac{1}{2}$  ft.high N.of cor.  
 50.00 Ravine 350 ft.deep, course SE.  
 80.10 The cor.of secs.9,10,15, and 16.  
               Land mountainous.  
               Soil stony; 3d and 4th rate.  
               No timber.  
               Mountainous land or land covered with dense undergrowth  
 80.10 chs.

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N.0°02'W.bet.secs.9 and 10.  
               Descending through dense squaw and oak brush.  
 8.00 Enter dense aspen timber.  
 21.00 Enter dense willows; along bottom of ravine 300 ft.deep  
               course SE.  
 30.00 Leave willows and ascend.  
 35.50 Spring drains SW.  
               Leave aspen timber bears NW.and SE.  
 40.00 Set a sandstone 16x13x3 ins.11 ins.in the ground for  $\frac{1}{4}$   
               sec.cor., marked  $\frac{1}{2}$  on W.face; and raise a mound of stone  
               2

SUBDIVISION OF T.2 S.R.8 W.

Chains 2 ft. base  $1\frac{1}{2}$  ft. high W.of cor.  
Ascend.  
55.00 Top of ridge 350 ft. above corner bears. NW:and. SE.  
Enter aspen timber.  
Descend  
79.25 Ravine 500 ft. deep, course SE.  
80.00 Set a limestone 20x8x6 ins.15. ins.in the ground for cor.  
of secs.3,4,9, and. 10,marked with 3 notches on E.and 5.  
notches on S.edges;from which  
An aspen 10 ins.diam.bears N.42°W.33 lks.dist.  
marked T 2 S R.8 W S 3 B T  
An aspen 12 ins.diam.bears S.45°W.70 lks.dist.  
marked T 2 S R.8 W S 9 B T  
No other suitable bearing trees within limits;raise a  
mound of stone 2 ft. base  $1\frac{1}{2}$  ft. high W.of cor.  
Land mountainous.  
Soil stony 4th rate.  
Timber aspen.  
Mountainous land,heavily timbered or covered with dense  
undergrowth 80.00 chs..

N.89°54'E.on a random line betsecs.3 and 10.  
40.00 Set temp. $\frac{1}{2}$  sec.cor.  
80.06 Intersect N.and S.line 21 lks.N.of the cor.of secs.2,  
3,10, and 11;thence I run  
N.89°57'W.on a true line betsecs.3 and 10  
Descending,through dense squaw,oak and sage brush.  
15.00 Bottom of hollow drains SE.  
Ascend.  
20.00 Top of spur projects SE.;enter scattering timber.  
25.00 Ravine 350 ft. deep, course SE.  
40.03 Set a sandstone 18x10x6 ins.12 ins.in the ground for  $\frac{1}{4}$   
sec.cor.,marked  $\frac{1}{4}$  on N.face;and raise a mound of stone  
2 ft. base  $1\frac{1}{2}$  ft. high N.of cor.

SUBDIVISION OF T.2 S.R.8 W.

Chains  
65.00 Top of ridge bears NW. and SE.; 1000 ft. above sec.cor.  
Leave timber bears NW. and SE.  
Thence over steep descent.  
80.06 The cor.of secs.3,4,9, and 10.  
Land mountainous.  
Soil stony 3d rate.  
Timber aspen.  
Mountainous land covered with dense undergrowth and scattering aspen timber 80.06 chs.

N.0°02'W.on a random line bet.secs.3 and 4  
40.00 Set temp. $\frac{1}{4}$  sec.cor.  
79.70 Intersect N.bdy.of Tp.9 1ks.E.of the cor.of secs.3,4,33 and 34, heretofore described; thence I run  
S.0°06'E.on a true line bet.secs.3 and 4  
Descending through dense squaw brush and scattering aspen timber.  
18.00 Bottom of ravine 350 ft. deep, course SE.  
Enter dense aspen timber, bears NW. and SE.  
39.70 Set a sandstone 18x11x5 ins.12 ins.in the ground for  $\frac{1}{4}$  sec.cor., marked  $\frac{1}{4}$  on W.face; from which  
An aspen 3 ins.diam.bears S.85°E.11 lks.dist.  
marked  $\frac{1}{4}$  S 3 B T  
An aspen 7 ins.diam.bears N.45°W.15 lks.dist.  
marked  $\frac{1}{4}$  S 4 B T.  
Ascend  
47.00 Ridge bears NW. and SE.  
Leave timber bears NW. and SE.  
79.70 The cor.of secs.3,4,9, and 10.; 600 ft. below  $\frac{1}{4}$  sec.cor.  
Land mountainous.  
Soil stony 4th rate.  
Timber aspen.  
Mountainous land heavily timbered or covered with dense undergrowth 79.70 chs.

SUBDIVISION OF T.2 S.R.8 W.

Chains

Nov.7,1903,at the noon hour cloud obscured the sun, impossible to take observation for lat. this day.

November 7,1903.

November 8,1903, at 8 h.0 m.a.m.l.m.t. I set off  $40^{\circ}16'$  on the lat.arc;  $16^{\circ}18'$  S.on decl.arc, and determine a true meridian with the solar at the cor.of secs:4,5,32 and 33 on the S.bdy.of the Tp., heretofore described.

Thence I run

N. $0^{\circ}03'$ W.bet.secs.32 and 33

Descending through dense sagebrush.

- 17.50 Enter heavy cedar and pinon pine bears NE.and SW.
- 21.00 Leave timber;enter dense sagebrush bears NE.and SW.
- 28.50 Dry wash drains SW.
- 34.00 Enter heavy cedar and pine timber.
- 40.00 Set a sandstone 20x12x6 ins.15 ins.in the ground for  $\frac{1}{4}$  sec.cor.,marked  $\frac{1}{4}$  on W.face;from which  
A cedar 12 ins.diam.bears S. $76^{\circ}$ E.66 lks.dist.  
marked  $\frac{1}{4}$  S 33 B T  
A cedar 20 ins.diam.bears N. $55^{\circ}$ W.21 lks.dist.  
marked  $\frac{1}{4}$  S 32 B T
- 50.00 Enter sandstone ledges 30 ft.high bear E.and W.  
Descend
- 53.00 Wash drains SW.
- Ascend.
- 58.00 Spur projects SW.
- 67.75 Ravine 150 ft.deep, course SW.
- 80.00 Set a sandstone 20x8x6 ins.15 ins.in the ground for cor. of secs.28,29,32, and 33,marked with 1 notch on S.and 4 notches on E.edge;from which  
A cedar 14 ins.diam.bears N. $22^{\circ}$ E.26 lks.dist.  
marked T 2 S R 8 W S 28 B T  
A cedar 20 ins.diam.bears S. $75^{\circ}$ E.21 lks.dist.  
marked T 2 S R 8 W S 33 B T

SUBDIVISION OF T.2 S.R.8 W.

Chains

A cedar 14 ins. diam. bears S.  $32^{\circ}30'$  W. 81 lks. dist.

marked T 2 S R 8 W S 32 B T

A cedar 24 ins. diam. bears N.  $74^{\circ}30'$  W. 43 lks. dist.

marked T 2 S R 8 W S 29 B T

Land mountainous.

Soil stony and clay 2d and 4th rate.

Timber cedar and pinon pine.

Mountainous land heavily timbered or covered with dense undergrowth 80.00 chs.

S.  $89^{\circ}57'$  E. on a random line bet. secs. 28 and 33

40.00 Set temp.  $\frac{1}{2}$  sec. cor.

80.18 Intersect N. and S. line 36 lks. S. of the cor. of secs. 27, 28, 33, and 34; thence I run

S.  $89^{\circ}52'$  W. on a true line bet. secs. 28 and 33

Over rolling land through dense sagebrush.

9.60 Wash drains SE.

18.10 Wash drains SE.

21.50 Leave sagebrush; enter grassy flat.

33.50 Old road bears NW. and SE.

40.09 Set a sandstone 15x12x8 ins. 10 ins. in the ground for  $\frac{1}{2}$  sec. cor., marked  $\frac{1}{2}$  on N. face; dig pits 18x18x12 ins. E. and W. of stone 3 ft. dist.; and raise a mound of earth  $3\frac{1}{2}$  ft. base  $1\frac{1}{2}$  ft. high N. of cor.

59.00 Leave grassy flat.

Enter heavy cedar and pinon pine timber.

63.00 Ridge bears N. and S.

80.18 The cor. of secs. 28, 29, 32, and 33.

Land mountainous and rolling.

Soil sandy and stony 1st and 3rd rate.

Timber cedar and pine.

Mountainous, or heavily timbered land, or land covered with dense undergrowth 80.18 chs.

SUBDIVISION OF T.3 S.R.8 W

Chains.

N.0°03'W.bet.secs.28 and 29

Ascending through heavy cedar and pinon pine timber.

- 20.00 Spur ridge bears NW. and SE..
- 25.00 Leave timber; enter dense sagebrush.
- 39.30 Old road bears NW. and SE.
- 40.00 Set a quartzite stone 14x10x6 ins. 9 ins. in the ground for  $\frac{1}{4}$  sec.cor., marked  $\frac{1}{4}$  on W.face; dig pits 18x18x12 ins. N. and S. of stone 3 ft. dist.; and raise a mound of earth  $3\frac{1}{2}$  ft. base  $1\frac{1}{2}$  ft. high W. of cor.
- 44.00 Enter scattering cedar and pinon pine timber brs. NW. and E.
- 55.00 Leave timber, bears NW. and SE.
- 60.00 Enter willows bear NW. and SE.
- 67.82 Fence bears N.75°E. and S.75°W.  
Wash drains SE.
- 76.00 Leave willows bear NW. and SE.
- 80.00 Set a sandstone 20x12x10 ins. 15 ins. in the ground for cor. of secs. 20, 21, 28, and 29, marked with 2 notches on S. and 4 notches on E. edge; and raise a mound of stone 2 ft. base  $1\frac{1}{2}$  ft. high W. of cor.
- Land mountainous:  
Soil clay and stony 2d and 3d rate.  
Timber cedar and pinon pine.  
Mountainous land heavily timbered or covered with dense undergrowth 80.00 chs.
- Nov. 8, 1903, at this cor. I set off 16°23' S. on decl. arc; and at 11 h. 44 m. a.m. l.m.t. observe the sun on the meridian; the resulting lat. is  $40.17\frac{1}{2}'$  N.

N.89°52' E. on a random line bet. secs. 21 and 28

- 40.00 Set temp.  $\frac{1}{4}$  sec.cor.
- 80.06 Intersect N. and S. line 7 lks. N. of the cor. of secs. 21, 22, 27 and 28; thence I run  
S.89°55' W. on a true line bet. secs. 21 and 28  
Over rolling land; through dense sagebrush and scattering cedar and pinon pine timber.

SUBDIVISION OF T.2 S.R.8 W.

Chains.	
40.03	Set a cobble stone 16x14x10 ins.11 ins.in the ground for $\frac{1}{4}$ sec.cor.;marked $\frac{1}{4}$ on N.face;from which A cedar 36. ins.diam.bears N.59°E.152lks.dist. marked $\frac{1}{4}$ S 21 B T A cedar 8 ins.diam.bears S.48°W.156 lks.dist. marked $\frac{1}{4}$ S 28 B T
47.90	Old road bears NW.and SE. Ascend gently
67.00	Low ridge bears NW.and SE.
76.00	Ravine 150 ft.deep, course S..
80.06	The cor.of secs.20,21,28, and 29. Land mountainous.and rolling. Soil stony and clay 1st and 3d rate. Timber cedar and pinon pine. Mountainous land,or land covered with dense undergrowth and scattering timber.80.06 chs.

N.0°03'W.betsecs.20 and 21.

Ascending through dense sagebrush.

6.00	Enter heavy cedar and pinon pine,bears E.and W.
18.00	Leave heavy and enter scattering cedar and pinon pine bears E.and W..
20.25	Old road bears SE.and W.
30.00	Enter heavy cedar and pinon pine timber bears NW and SE.
40.00	Set a limestone 14x12x4 ins.9 ins.in the ground for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.face;from which A pine 5 ins.diam.bears S.8°E.65 lks.dist. marked $\frac{1}{4}$ S 21 B T A cedar 4 ins.diam.bears N.65°W.100 lks.dist. marked $\frac{1}{4}$ S 20 B T
45.00	Leave timber bears NW.and SE.
	Enter dense squaw and sage brush;bears NW.and SE.
46.00	Ravine 150 ft.deep, course S.10°E.
74.00	Enter heavy cedar and pinon pine bears NW.and SE.
80.00	Set a sandstone 14x10x4 ins.9 ins.in the ground for cor.

SUBDIVISION OF T.2 S.R.8 W.

Chains

of secs.16,17,20, and 21,marked with ;marked with 4 notches on E. and 3 notches on S.edge;from which

A pine 14 ins.diam.bears N.41°E.29 lks.dist.

marked T 2 S R 8 W S 16 B T

A pine 10 ins.diam.bears S.60°E.40 lks.dist.

marked T 2 S R 8 W S 21 B T

A pine 6 ins.diam.bears S.22°W.39 lks.dist.

marked T 2 S R 8 W S 20 B T

A cedar 8 ins.diam.bears N.32°W.55 lks.dist.

marked T 2 S R 8 W S 17 B T

Land rolling.

Soil stony and sandy;1st and 4th rate.

Timber cedar and pinon pine.

Heavily timbered land or land covered with dense under-growth 80.00 chs.

N.89°55'E.on a random line betsecs.16 and 21

40.00 Set temp. $\frac{1}{4}$  sec.cor.

80.04 Intersect N.and S.line 16 lks.N.of the cor.of secs.15,16, 21 and 22;thence I run

N.89°58'W.on a true line betsecs.16 and 21

Ascending through dense oak,squaw, and sagebrush.

5.00 Top of ridge bears NW.and SE.

Enter heavy cedar and pinon pine timber bears NW.and SE.

Descend.

17.00 Ravine 400 ft.deep,course SE.;

Leave timber.

40.02 Set a sandstone 14x8x6 ins.9 ins.in the ground for  $\frac{1}{4}$  sec.cor.,marked  $\frac{1}{4}$  on N.face;and raise a mound of stone 2 ft.base  $1\frac{1}{2}$  ft.high N.of cor.

Ascend.

45.00 Top of ridge bears N.and S.

80.04 The cor.of secs.16,17,20, and 21.

Land mountainous.

SUBDIVISION OF T.2 S.R.8 W.

Chains

- Soil stony 2d and 4th rate..  
Timber cedar and pinon pine.  
Mountainous land heavily timbered or covered with dense undergrowth 80.04 chs.

November 8, 1903.

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November 9, 1903, at 8 h.0 m.a.m.l.m.t. I set off 40°18' on lat.arc;  $16^{\circ}35\frac{1}{2}'S.$  on decl.arc; and determine a true meridian with the solar at the cor.of secs.16,17,20, and 21; thence I run

N.0°03'W.bet.secs.16 and 17

Ascending through heavy cedar and pinon pine

- 39.00 Ravine 100 ft. deep, course S.20°W.  
40.00 Set a sandstone 15x10x5 ins.10 ins.in the ground for  $\frac{1}{4}$  sec.cor., marked  $\frac{1}{4}$  on W.face; from which  
A pine 12 ins.diam.bears S.62°E.32 lks.dist.  
marked  $\frac{1}{4}$  S 16 B T  
A pine 12 ins.diam.bears N.69°W.32 lks.dist.  
marked  $\frac{1}{4}$  S 17 B T  
Ascend.  
42.25 Spur projects SE.  
Descend.  
44.00 Bottom of hollow course SE.  
Ascend.  
49.00 Top of spur projects SE.  
60.50 Bottom of ravine 250 ft.deep, course SE.  
Ascend.  
64.00 Spur projects SE.  
68.80 Head of hollow drains SE.  
80.00 Set a sandstone 18x10x5 ins.12 ins.in the ground for cor.of secs.8,9,16, and 17, marked with 4 notches on E. and 4 notches on S.edge; and raise a mound of stone 2 ft. base  $1\frac{1}{2}$  ft. high W.of cor.  
Land mountainous.

SUBDIVISION OF T.2 S.R.8 W.

Chains

Soil stony; 4th rate.  
Timber cedar and pinon pine.  
Mountainous land 80.00 chs.

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S.89°58'E.on a random line bet.secs.9 and 16

- 40.00 Set temp.  $\frac{1}{4}$  sec.cor.  
80.10 Intersect N.and S.line 9 lks.N.of the cor.of secs.9,10,  
15 and 16; thence I run  
N.89°54'W.on a true line bet.secs.9 and 16  
Ascending through dense squaw brush.  
2.50 Top of ridge bears NW.and SE.  
Descend.  
26.75 Ravine 350 ft.deep, course SE.  
40.05 Set a limestone 25x15x9 ins.19 ins.in the ground for  $\frac{1}{4}$   
sec.cor., marked  $\frac{1}{4}$  on N.face; and raise a mound of stone  
2 ft.base  $1\frac{1}{2}$  ft.high N.of cor.  
Ascend.  
54.30 Top of ridge bears NW.and SE.  
75.00 Head of ravine 250 ft.deep, course S.  
80.10 The cor.of secs.8,9,16, and 17.  
Land mountainous.  
Soil stony 3d rate.  
No timber.  
Mountainous land covered with dense undergrowth 80.10  
chs.
- 

N.0°03'W.bet.secs.8 and 9

- Ascending through dense sage and squaw brush.  
12.00 Top of ridge bears NW.and SE., 100 ft.above corner.  
Descend.  
40.00 Set a cobble stone 15x10x6 ins.10 ins.in the ground for  
 $\frac{1}{4}$  sec.cor., marked  $\frac{1}{4}$  on W.face; and raise a mound of stone  
2 ft.base  $1\frac{1}{2}$  ft.high W.of cor.

SUBDIVISION OF T.2 S.R.8 W.

Chains 500 ft. below sec.cor.  
43.00 Ravine 600 ft. deep, course SE.  
Ascend W.slope of ridge.  
80.00 Set a cobble stone 18x12x8 ins.12 ins.in the ground for cor.of secs.4,5,8, and 9,marked with 5 notches on S.and 4 notches on E.edge;raise a mound of stone 2 ft.base  $1\frac{1}{2}$  ft.high W.of cor.  
800 ft.below  $\frac{1}{4}$  sec.cor.  
Land mountainous.  
Soil stony 3d rate.  
No timber.  
Mountainous land covered with dense undergrowth 80.00 chs.  
Nov.9,1903,at this cor.I set off  $16^{\circ}40'$  S.on decl.arc end at 11<sup>h</sup>.44 m.a.m.l.m.t.observe the sun on the meridian;the resulting lat.is  $40^{\circ}20'$  N.

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S. $89^{\circ}54'$ E.on a random line betsecs.4 and 9  
40.00 Set Temp. $\frac{1}{4}$  sec.cor.  
80.09 Intersect N.and S.line 35 lks.S.of the cor.of secs.3,4,  
9 and 10;thence I run  
S. $89^{\circ}51'$ W.on a true line betsecs.4 and 9  
Descending through dense sagebrush.  
1.00 Ravine 500 ft.deep, course SE.  
Enter heavy aspen, and fallen pine timber bears NW.and SE.  
14.25 Top of ridge bears SE.and NW.  
Leave timber;enter sagebrush,bears NW.and SE.  
36.00 Enter aspen timber.bears NW.and SE.  
40.04 $\frac{1}{2}$  Set a limestone 12x10x9 ins.8 ins.in the ground for  $\frac{1}{4}$  sec.cor.,marked  $\frac{1}{4}$  on N.face;from which  
An aspen 3 ins.diam.bears S. $62^{\circ}$ E.7 lks.dist.  
marked  $\frac{1}{4}$  S 9 B T  
An aspen 2 ins.diam.bears N. $18^{\circ}$ W.4 lks.dist.  
marked  $\frac{1}{4}$  S 4 B T

SUBDIVISION OF T.2 S.R.8 W.

Chains                          Description

48.50    Ravine 500 ft. deep, course SE.  
            Enter heavy pine timber bears NW. and SE.  
70.00    Leave timber bears NW. and SE.  
74.00    Top of ridge bears NW. and SE.  
80.09    The cor. of secs. 4, 5, 8, and 9.  
            Land mountainous.  
            Soil stony 2d and 4th rate.  
            Timber aspen and pine.  
            Mountainous land heavily timbered or covered with dense  
            undergrowth 80.09 chs.

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N.0°03'W.betsecs. 4 and 5

40.00    Set temp.  $\frac{1}{2}$  sec.cor.

79.75    Intersect N.bdy.of Tp.9 lks.E.of the cor.of secs.4,5,52  
            and 53 heretofore described; thence I run  
            S.0°07'E.on a true line bet.secs.4 and 5  
            Ascending through dense squaw and sage brush.

20.00    Top of spur projects W.

39.75    Set a cobble stone 15x10x8 ins.10 ins.in the ground for  
             $\frac{1}{4}$  sec.cor., marked  $\frac{1}{2}$  on W.face; and raise a mound of stone  
            2 ft.base 1 $\frac{1}{2}$  ft.high W.of cor.

47.00    Ravine 500 ft.deep, course SE.

Enter heavy pine and aspen timber.

71.40    Leave timber bears NW. and SE.

Ascend.

74.00    Ridge bears NW. and SE.

79.75    The cor.of secs.4,5,8, and 9.  
            Land mountainous.  
            Soil stony; 3d rate.  
            Timber pine and aspen.  
            Mountainous land heavily timbered or covered with dense  
            undergrowth 79.75 chs.

November 9, 1903.

SUBDIVISION OF T.2 S.R.8 W.

Chains.

November 10, 1903, at 8 h.0 m.l.m.t. I set off  $16^{\circ}52' S.$  on the decl. arc;  $40^{\circ}16' E N$  on lat. arc, and determine a true meridian with the solar at the cor. of secs. 5, 6, 31 and 32. on the S. bdy. of Tp., heretofore described.

Thence I run

N.  $0^{\circ}04' W$ . bet. secs. 31 and 32

Ascending through heavy cedar and pinon pine.

9.00 Leave timber bears E. and W.; enter dense sagebrush bears E. and W.

21.00 Enter heavy cedar and pinon pine timber, bears NE. and SW.

40.00 Set a sandstone 20x12x8 ins. 15 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on W. face; from which

A cedar 5 ins. diam. bears N.  $84^{\circ}30' W$ . 4 lbs. dist.

marked  $\frac{1}{4}$  S 32 B T

A cedar 5 ins. diam. bears S.  $88^{\circ}W$ . 31 lbs. dist.

marked  $\frac{1}{4}$  S 31 B T

65.25 Old road bears NE. and SW.; in wash.

72.00 Leave heavy; enter scattering pine timber.

80.00 Set a sandstone 20x12x8 ins. 15 ins. in the ground for cor. of secs. 29, 30, 31, and 32, marked with 1 notch on S. and 5 notches on E. edge; from which

A pine 8 ins. diam. bears N.  $42^{\circ}E$ . 4 lbs. dist.

marked T 2 S R 8 W S 29 B T

A pine 4 ins. diam. bears S.  $52^{\circ}E$ . 86 lbs. dist.

marked T 2 S R 8 W S 32 B T

A pine 4 ins. diam. bears N.  $11^{\circ}30' W$ . 62 lbs. dist.

marked T 2 S R 8 W S 30 B T

No other suitable bearing trees within limits; raise a mound of stone 2 ft. base 1 $\frac{1}{2}$  ft. high W. of cor.

Land mountainous.

Soil clay and stony 2d and 3d rate.

Timber cedar and pinon pine.

Land heavily timbered or covered with dense undergrowth  
80.00 chs.

SWC.  
Note 6

SUBDIVISION OF T.2 S R 8 W

Chains. S. $89^{\circ}57'$ E.on a random line bet.secs.29 and 32  
40.00 Set temp: $\frac{1}{4}$  sec.cor.  
80.08 Intersect N.and S.line 5 lks.S.of the cor.of secs.28,29,  
32 and 33; thence I run  
N. $89^{\circ}59'$ W.on a true line bet.secs.29 and 32  
Descending through heavy cedar and pinon pine timber.  
40.04 Set a sandstone 20x8x8 ins.15 ins.in the ground for  $\frac{1}{2}$   
sec.cor., marked  $\frac{1}{4}$  on N.face; from which  
A A pine 8 ins.diam.bears N. $20^{\circ}$ E.70 lks.dist.  
marked  $\frac{1}{4}$  S 29 B T  
A cedar 10 ins.diam.bears S. $32^{\circ}$ W.20 lks.dist.  
marked  $\frac{1}{4}$  S 32 B T  
43.00 Wash drains SW.; ascend.  
Leave timber bears NE.and SW.  
51.50 Ridge bears NE.and SW.  
Enter cedar and pinon pine timber.  
59.50 Road bears NE.and SW.  
69.50 Ravine. 250 ft.deep, course SW.  
70.00 Old road bears NE.and SW.  
80.08 The cor.of secs.29,30,31, and 32.  
Land mountainous.  
Soil stony 3d rate.  
Timber cedar and pinon pine.  
Mountainous & heavily timbered land 80.08 chs.

*route  
Aug 3*

N. $89^{\circ}57'$ W.on a random line bet.secs.30 and 31  
40.00 Set temp. $\frac{1}{4}$  sec.cor.  
77.84 Intersect Second Guide Meridian West 14 lks.N.of the cor.  
of secs.25,30,31, and 36, hitherto described; thence I  
run  
N. $89^{\circ}57'$ E.on a true line bet.secs.30 and 31  
Descending through heavy cedar and pinon pine.timber.  
6.90 Leave timber; enter Red Creek bottom.  
8.00 Red Creek 25 lks.wide course S.

SUBDIVISION OF T 2 S.R.8 W

- Chains Ascend through dense sage and sqaw brush.
- 14.75 Old road bears N. and S.
- 16.50 Ledges bear N. and S.
- Enter scattering cedar and pinon pine timber.
- 37.84 Set a sandstone 20x13x10 ins. 15 ins. in the ground for  $\frac{1}{4}$  sec.cor., marked  $\frac{1}{4}$  on N. face; from which  
A cedar 12 ins. diam. bears N. 65° E. 70 lks. dist.  
marked  $\frac{1}{4}$  S 30 B T  
A cedar 7 ins. diam. bears S. 50° E. 85 lks. dist.  
marked  $\frac{1}{4}$  S 31 B T
- Thence over rolling land through scattering cedar and pinon pine and dense sagebrush.
- 77.84 The cor. of secs. 29, 30, 31, and 32.  
Land mountainous and rolling.  
Soil stony 2d and 4th rate.  
Timber cedar and pinon pine.  
Mountainous land, or land covered with dense undergrowth
- 77.84 chs. Nov. 10, 1903, at this cor. I set off 16° 57' 30" S. on decl. arc; and at 11 h. 44 m. a.m. l.m.t. observe the sun on the meridian; the resulting lat. is 40° 17' N. See Note 3
- 
- N. 0° 04' W. bet. secs. 29 and 30
- Over mountainous land;
- Ascending through heavy cedar and pinon pine.
- 12.00 Leave timber; enter dense sagebrush.
- 40.00 Enter scattering cedar and pinon pine.
- Set a sandstone 18x10x3 ins. 12 ins. in the ground for  $\frac{1}{4}$  sec.cor., marked  $\frac{1}{4}$  on W. face; from which  
A cedar 4 ins. diam. bears S. 50° 30' E. 192 lks. dist.  
marked  $\frac{1}{4}$  S 29 B T  
A cedar 12 ins. diam. bears N. 53° W. 133 lks. dist.  
marked  $\frac{1}{4}$  S 30 B T
- See Note 4
- 43.00 Enter heavy timber bears E. and W.  
79.00 Dry run 10 ft. deep, course SE.
- 80.00 Set a sandstone 24x12x8 ins. 18 ins. in the ground for

SUBDIVISION OF T.2 S.R.8 W.

Chains cor.of secs.19,20,29, and 30,marked with 2 notches on S. and 5 notches on E.edge;from which  
A cedar 7 ins.diam.bears N. $19^{\circ}E$ .101 lks.dist.  
marked T 2 S R 8 W S 20 B T  
A cedar 5 ins.diam.bears S. $89^{\circ}30'E$ .70 lks.dist.  
marked T 2 S R 8 W S 29 B T  
A cedar 7 ins.diam.bears S. $73^{\circ}W$ .17 lks.dist.  
marked T 2 S R 8 W S 30 B T  
A cedar 5 ins.diam.bears N. $35^{\circ}W$ .81 lks.dist.  
marked T 2 S R 8 W S 19 B T  
Land mountainous.  
Soil stony 2d and 3d rate.  
Timber cedar and pinon pine.  
Land heavily timbered or covered with dense undergrowth  
80.00 chs.

S.  $89^{\circ}59'E$ .on a random line betsecs.20 and 29  
40.00 Set temp. $\frac{1}{2}$  sec.cor.  
79.92 Intersect N.and S.line 2 iks.N.of the cor.of secs.20,  
21,28, and 29;thence I run  
N.  $89^{\circ}58'W$ .on a true line betsecs.20 and 29  
Descending over mountainous land through groves of hea  
cedar and pinon pine and through dense sagebrush.  
12.00 Bottom of ravine 200 ft.deep,course SE.  
32.00 Leave timber. Road bears N.and S.  
39.96 Set a cobble stone 14x10x4 ins.9 ins.in the ground for  
 $\frac{1}{4}$  sec.cor.,marked  $\frac{1}{4}$  on N.face;dig pits 18x18x12 ins.E.  
and W.of stone 3 ft.dist.,and raise a mound of earth  
ft.base  $1\frac{1}{2}$  ft.high N.of cor.  
Ascend over E.slope of ridge  
50.00 Top of ridge bears NW.and SE.  
Descend  
60.00 Bottom of ravine course S.  
70.15 Enter heavy cedar and pinon pine timber;leave sagebrush.

SUBDIVISION OF T.3 S.R.8 W.

Chains. 79.92 The cor.of secs.19,20,29, and 30.  
Land mountainous.  
Soil sandy loam and stony;1st and 4th rate.  
Timber cedar and pinon pine.  
Mountainous land,heavily timbered or covered with dense  
undergrowth 79.92 chs. Nov.10,1903.

Nov.11,1903,at 8 h.0 m.a.m.l.m.t.I set off  $17^{\circ}09'30''$  S.  
on decl.arc; $40^{\circ}17\frac{1}{2}'N.$  on lat.arc;and determine a true  
meridian with the solar at the cor.of secs.19,20,29,  
and 30;thence I run

$S.89^{\circ}57'W.$ on a random line bet.secs.19 and 30

40.00 Set temp. $\frac{1}{4}$  sec.cor.

78.94 Intersect Second Guide Meridian West 2 lks.N.of the cor.  
of secs.19,24,25, and 30 heretofore described;thence I  
run

$N.89^{\circ}56'E.$ on a true line bet.secs.19 and 30

Ascending through heavy cedar and pinon pine timber;  
through dense sage,service berry and squaw brush.

Over mountainous land.

20.45 Top of spur bears NE. and SW.

Descend.

22.75 Bottom of ravine 200 ft.deep, course S.

Ascend

32.00 Top of spur projects S.

37.94 Set a sandstone 14x9x8 ins.9 ins.in the ground for  $\frac{1}{4}$   
sec.cor..marked  $\frac{1}{4}$  on N.face;from which

A pine 12 ins.diam.bears S. $40^{\circ}E.$ .65 lks.dist.

marked  $\frac{1}{4}$  S 30 B T

A pine 12 ins.diam.bears N. $78^{\circ}W.$ .40 lks.dist.

marked  $\frac{1}{4}$  S 19 B T

Descend.

77.00 Dry run;10 ft.deep, course SW.

Nov.11,1903.

SUBDIVISION OF T.2 S.R.8 W.

Chains  
77.94 The cor.of secs.19,20,29, and 30.  
Land mountainous  
Soil clay and stony 2d and 3d rate.  
Timber cedar and pinon pine.  
Mountainous land or land covered with dense undergrowth  
77.94 chs.

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N.0°04'W.betsecs.19 and 20  
Ascending in scattering pinon pine and cedar, over  
mountainous land; through dense sage and oak brush.

32.00 Top of spur projects SW. Descend.  
Leave timber bears NE and SW.  
Enter dense sagebrush bears NE and SW.

40.00 Set a cobble stone 12x8x8 ins.8 ins.in the ground for  $\frac{1}{4}$   
sec.cor.,marked  $\frac{1}{4}$  on W.face;raise a mound of stone 2 ft.  
base  $1\frac{1}{2}$  ft.high W.of cor.

40.75 Ravine 100 ft.deep, course W.  
Thence along west slope.

80.00 Set a sandstone 18x8x8 ins.12 ins.in the ground for cor.  
of secs.17,18,19, and 20,marked with 5 notches on E.and  
3 notches on S.edge;and raise a mound of stone 2 ft.  
base  $1\frac{1}{2}$  ft.high W.of cor.Corner 300 ft.above ravine.  
Land mountainous.  
Soil clay and stony 2d and 3d rate.  
Timber cedar and pinon pine.  
Mountainous land or land covered with dense undergrowth  
80.00 chs.

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S.89°58'E.on a random line bet.secs.17 and 20  
40.00 Set temp. $\frac{1}{4}$  sec.cor.  
80.08 Intersect N.and S.line 2 lks.N.of the cor.of secs.16,17,  
20 and 21;thence I run  
N.89°57'W.on a true line bet.secs.17 and 20

SUBDIVISION OF T.2 S.R.8 W.

- Chains. Descending through heavy cedar and pinon pine timber.
- 8.00 Spring branch 2 lks. wide, course S., in ravine 150 ft. deep; course S.
- Leave timber bears N. and S.
- Enter dense squaw and sage brush; bears N. and S.
- Ascend
- 11.00 Top of spur projects S.
- Descend.
- 39.00 Creek 1 lk. wide in ravine 200 ft. deep, course S.
- 40.04 Set a sandstone 18x12x4 ins. 12 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on N. face; and raise a mound of stone 2 ft. base  $1\frac{1}{2}$  ft. high N. of cor.
- 45.00 Top of ridge bears N. and S.
- Descend.
- 50.00 Ravine 250 ft. deep, course S.
- Ascend.
- 70.00 Top of ridge bears N. and S.
- Descend.
- 80.08 The cor. of secs. 17, 18, 19, and 20.
- Land mountainous.
- Soil clay and stony. 2d and 3d rate.
- Timber cedar and pinon pine.
- Mountainous land, heavily timbered or covered with dense undergrowth 80.08 chs.
- Nov. 11, 1903, I set off  $17^{\circ}14'30''$  S. on the decl. arc; and at 11 h. 44 m. a.m. l.m.t. observe the sun on the meridian; the resulting lat. is  $40^{\circ}18\frac{1}{2}'$  N.
- 
- 40.00 S.  $89^{\circ}56'$  W. on a random line bet. secs. 18 and 19
- Set temp.  $\frac{1}{4}$  sec. cor.
- 78.13 Intersect Second Guide Meridian West 16 lks. S. of the cor. of secs. 13, 18, 19, and 24, heretofore described; thence I run S.  $89^{\circ}57'$  E. on a true line bet. secs. 18 and 19
- Ascending through heavy cedar and pinon pine timber.

## SUBDIVISION OF T. 2 S. R. 8 W.

- Chains                          N.0°04'W. bet. sec. 17 and 18
- 1.90    Cliffs 15 ft. high bear NE. and SW.
- 5.00    Top of spur projects S.
- Leave timber bears N. and S.; enter dense aspen and squaw and sage brush.
- Descend.
- 17.50   Creek 3 lks. wide in ravine 250 ft. deep, course SW.
- Ascend.
- 32.75   Enter broken sandstone ledges bear NE. and SW.
- 38.13   Set a cobble stone 14x8x4 ins. 9 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on N. face; from which  
A cedar 7 ins. diam. bears S. 45° E. 6 lks. dist.  
marked  $\frac{1}{4}$  S 19 B. T  
No other bearing trees within limits; raise a mound of stone 2 ft. base 1 $\frac{1}{2}$  ft. high N. of cor.
- 39.50   Top of ridge bears NE. and SW.
- Descend.
- 50.00   Ravine 100 ft. deep, course SE.
- 78.13   The cor. of secs. 17, 18, 19, and 20.
- Land mountainous.  
Soil clay and stony, 2d and 3d rate.  
Timber cedar, pinon pine and aspen.  
Mountainous land, heavily timbered or covered with dense undergrowth 78.13 chs.
- 
- N.0°04'W. bet. secs. 17 and 18
- Ascending through dense squaw brush.
- 30.00   Hollow course SW.
- 40.00   On spur projects W.
- Set a cobble stone 15x12x5 ins. 10 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on W. face; and raise a mound of stone 2 ft. base 1 $\frac{1}{2}$  ft. high W. of cor.
- Descend.
- 63.00   Ravine 75 ft. deep, course W.

## SUBDIVISION OF T.2 S.R.8 W.

Chains.	Ascend.
70.00	Top of spur projects W.
	Descend.
76.50	Ravine 250 ft. deep, course SW.
	Enter dense aspen timber; bears NE. and SW.
77.50	Leave timber; bears NE and SW.
80.00	Set a limestone 20x10x8 ins. 15 ins. in the ground for cor. of secs. 7, 8, 17, and 18, marked with 5 notches on E. and 4 notches on S. edge; and raise a mound of stone 2 ft. base 1½ ft. high W. of cor.
	Land mountainous.
	Soil stony; 3d rate.
	Timber aspen.
	Mountainous land covered with dense undergrowth 80.00 chs.

November 11, 1903.

Nov. 12, 1903, at 8 h.0 m.a.m.l.m.t. I set off 17°26' S. on decl. arc; 40° 19' N. on lat. arc; and determine a true meridian with the solar at the cor. of secs. 7, 8, 17, and 18 Thence I run

	S. 89°57' W. on a random line bet. secs. 8 and 17
40.00	Set temp. $\frac{1}{2}$ sec. cor.
80.10	Intersect N. and S. line 5 lks. N. of the cor. of secs. 8, 9, 16, and 17; thence I run
	N. 89°55' W. on a true line bet. secs. 8 and 17
	Ascending through dense squaw and sage brush.
12.25	Top of ridge bears N. and S.
	Descend.
35. 00	Ravine 450 ft. deep, course SW.
40.05	Set a limestone 15x9x7 ins. 10 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on U. face; and raise a mound of stone 2 ft. base 1½ ft. high N. of cor.
57.75	Top of ridge bears NE. and SW.

SUBDIVISION OF T.2 S.R.8 W

Chains

75.00 Spring 40 lks.N.of line drains SW.

77.00 Ravine 250 ft.deep, course SW.

80.10 The cor.of secs.7,8,17, and 18.

Land mountainous.

Soil stony; 3d rate.

No timber.

Mountainous land covered with dense undergrowth 80.10 chs.

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N. $89^{\circ}57'$ W.on a random line betsecs.7 and 18

40.00 Set temp. $\frac{1}{4}$  sec.cor.

78.20 Intersect Second Guide Meridian West 2 lks.S.of the cor. of secs.7,12,13, and 18, heretofore described; thence I run S. $89^{\circ}56'$ E.on a true line betsecs.7 and 18 Over mountainous land, between the cor. and 18 Ascending through dense oak, squaw and sage brush.

35.00 Spur projects SW.

38.20 Set a limestone 16x12x6 ins.11 ins.in the ground for  $\frac{1}{4}$  sec.cor., marked  $\frac{1}{4}$  on N.face; and raise a mound of stone 2 ft.base  $1\frac{1}{2}$  ft.high N.of cor.

44.00 Ridge bears NE.and SW.

53.00 Ravine 200 ft.deep, course SW.

Ascend.

61.50 Spur bears NW.and SE.

78.20 The cor.of secs.7,8,17, and 18.

Land mountainous.

Soil stony; 3d rate.

No timber.

Mountainous land or land covered with dense undergrowth 78.20 chs.

Nov.12,1903, at this cor.I set off  $17^{\circ}31'$  S.on the decl. arc; and at 11 h.44m.a.m. I went to observe the sun on the meridian; the resulting lat! is  $40^{\circ}19'$ N.

SUBDIVISION OF T.2 S.R.8 W.

Chains. N.0°04'W.bet.secs.7 and 8  
Ascending through dense oak,squaw and sage brush.  
32.00 Spur projects SW.  
40.00 Set a cobble stone 18x12x6 ins.12 ins.in the ground for  
 $\frac{1}{4}$  sec.cor.,marked  $\frac{1}{4}$  on W.face;and raise a mound of stone  
3 ft.base  $1\frac{1}{2}$  ft.high W.of cor.  
46.00 Ravine 300 ft.deep,course SW.  
Ascend,  
75.00 Top of ridge bears NE.and SW.  
80.00 Set a limestone 20x14x8 ins.15 ins.in the ground for  
cor.of secs.5,6,7, and 8,marked with 5 notches on S.and  
E.edge;and raise a mound of stone 3 ft.base  $1\frac{1}{2}$  ft.high  
W.of cor.  
Land mountainous.  
Soil stony;3d rate.  
No timber.  
Mountainous land covered with dense undergrowth 80.00  
chs.

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S.89°55'E.on a random line bet.secs.5 and 8  
40.00 Set temp. $\frac{1}{4}$  sec.cor.  
80.11 Intersect N.and S.line 5 lks.S.of the cor.of secs.4,5,  
8, and 9;thence I run  
N.89°57'W.on a true line bet.secs.5 and 8  
Descending through dense sagebrush.  
23.00 Ravine 500 ft.deep,course SE.  
40.05 $\frac{1}{2}$  Set a granite stone 16x10x8 ins.11 ins.in the ground for  
 $\frac{1}{4}$  sec.cor.,marked  $\frac{1}{4}$  on N.face;and raise a mound of stone  
2 ft.base  $1\frac{1}{2}$  ft.high N.of cor.  
41.90 Top of ridge bears NW.and SE.  
Saddle 3 chs.N.  
Descend through dense squaw and sage brush.  
65.00 Head of ravine 300 ft.deep,course S.  
78.00 Saddle bears E.and W. in ridge bears N.10°E.and S.10W.

SUBDIVISION OF T.2 S.R.8 W

Chains

80.11 The cor.of secs.5,6,7, and 8.

Land mountainous.

Soil stony; 3d rate.

No timber.

Mountainous land covered with dense undergrowth 80.11  
chis.

November 12, 1903.

Nov.13, 1903, at 8 h.0 m.a.m.l.m.t. I set off  $17^{\circ}42'30''$  S.  
on decl.arc;  $40^{\circ}20'15''$  N.on lat.arc, and determine a true  
meridian with the solar at the cor.of secs.5,6,7, and 8  
Thence I run

$N.89^{\circ}56'W.$  on a random line bet. secs.6 and 7

40.00 Set temp.  $\frac{1}{4}$  sec.cor.

78.07 Intersect Second Guide Meridian West 2 lks.S.of the cor.  
of secs.1,6,7, and 12, heretofore described; thence I run  
 $S.89^{\circ}55'E.$  on a true line bet. secs.6 and 7

Ascending through dense oak, squaw and sagebrush; over  
mountainous land.

.5.00 Spur projects SW.

Descend.

35.00 Ravine 200 ft. deep, course SW.

38.07 Set a cobble stone 20x12x8 ins. 15 ins. in the ground for  
 $\frac{1}{4}$  sec.cor., marked  $\frac{1}{4}$  on N.face; and raise a mound of stone  
2 ft. base  $1\frac{1}{2}$  ft. high N.of cor.

300 ft. above corner.

56.00 Top of ridge bears NE. and SW.

Descend.

71.00 Ravine 100 ft. deep, course S.

78.07 The cor.of secs.5,6,7, and 8., 200 ft. above  $\frac{1}{4}$  sec.cor.  
Land mountainous.

Soil stony 3d rate.

No timber.

Mountainous land covered with dense undergrowth 78.07

SUBDIVISION OF T.2 S.R.8 W.

Chains chs.

- N. $0^{\circ}04'W$ .on a random line bet.secs.5 and 6  
Set temp. $\frac{1}{4}$  sec.cor.
- 79.90 Intersect N.bdy.of Tp.2 lks.W.or the cor.of secs.5,6,31  
and 32 on N.bdy.of Tp.,heretofore described.  
Thence I run  
S. $0^{\circ}03'E$ .on a true line bet.secs.5 and 6  
Ascending through dense sagebrush and scattering aspen  
timber.
- 34.00 Top of spur projects SW.  
Enter dense squaw and oak brush.
- 39.90 Set a cobble stone 18x8x8 ins.12 ins.in the ground for  
 $\frac{1}{4}$  sec.cor.,marked  $\frac{1}{4}$  on W.face;from which  
An aspen 2 ins.diam.bears N. $74^{\circ}E$ .5 lks.dist.  
marked  $\frac{1}{4}$  S 5 B T  
An aspen 3 ins.diam.bears N. $60^{\circ}W$ .24 lks.dist.  
marked  $\frac{1}{4}$  S 6 B T
- 53.00 Top of spur ridge projects SW.  
79.90 The cor.of secs.5,6,7, and 8.  
Land mountainous.  
Soil stony 4th rate.  
Timber aspen.  
Mountainous land,covered with dense undergrowth and  
scattering timber 79.90 chs.

November 13,1903.

SUBDIVISION OF T.2 N.R.8 W.

GENERAL DESCRIPTION.

This township is entirely mountainous, ranging from 7000 to 9000 ft. above sea level. The northern portion is highest and forms the foot of Tabby Mountain, from which long ridges extend in a generally southeasterly direction; and is covered with a dense growth of sage, service berry, mahogany, squaw and oak brush.

There are a few small springs which supply sufficient water for stock; and the land is covered with a luxuriant growth of good grass, affording good grazing.

The southern portion is good early grazing land; but there is no water except Red Creek in the S.W. corner.

The soil in the southern portion of the township is of a sandy nature, and is covered with a heavy growth of cedar and pinon pine timber and dense sage-brush.

An Indian named Santaquin lives in the SE $\frac{1}{4}$  of sec 20 and has a few improvements: a corral and fence and about 3 acres of cultivated land. His improvements are valued at about \$200.00. The Indian has other scattered improvements which could not be located, without extra surveys; they consisted principally of pieces of fence across canons.

There are no other settlers or improvements in the township.

I found no indications of mineral in the township.

*George L. Swan*

U.S. Deputy Surveyor.

## FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

## LIST OF NAMES.

A list of the names of the individuals employed by \_\_\_\_\_  
 \_\_\_\_\_, United States Deputy Surveyor, to assist in running, measuring, and  
 marking the lines and corners described in the foregoing field notes of the survey of \_\_\_\_\_  
 \_\_\_\_\_  
 showing the respective capacities in which they acted:

\_\_\_\_\_, Chainman.

\_\_\_\_\_, Chainman.

For final affidavit see book "J" T.1 S.R.8 W. \_\_\_\_\_, Moundman.

\_\_\_\_\_, Moundman.

\_\_\_\_\_, Axman.

\_\_\_\_\_, Axman.

\_\_\_\_\_, Flagman.

## FINAL OATH OF ASSISTANTS..

We hereby certify that we assisted \_\_\_\_\_  
 \_\_\_\_\_, United States Deputy Surveyor, in surveying all  
 those parts or portions of the \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_ of the \_\_\_\_\_  
 \_\_\_\_\_ meridian, \_\_\_\_\_ of \_\_\_\_\_, which are represented

in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor

General for \_\_\_\_\_

For final affidavits see book "J" T.1 S.R.8 W. \_\_\_\_\_, Chainman.

\_\_\_\_\_, Chainman.

\_\_\_\_\_, Moundman.

\_\_\_\_\_, Moundman.

\_\_\_\_\_, Axman.

\_\_\_\_\_, Axman.

\_\_\_\_\_, Flagman.

Subscribed and sworn to before me this \_\_\_\_\_  
 day of \_\_\_\_\_, 190 \_\_\_\_\_ }



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, \_\_\_\_\_, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from \_\_\_\_\_, United States Surveyor General for \_\_\_\_\_, bearing date of the \_\_\_\_\_ day of \_\_\_\_\_, 190\_\_\_\_\_, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for \_\_\_\_\_, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of \_\_\_\_\_

For final affidavit see book n Jr. T. L S.R.8 W.

\_\_\_\_\_ of the \_\_\_\_\_  
meridian, in the \_\_\_\_\_ of \_\_\_\_\_, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for \_\_\_\_\_ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

\_\_\_\_\_  
*United States Deputy Surveyor.*

Subscribed by said \_\_\_\_\_, and sworn to before me }  
this \_\_\_\_\_ day of \_\_\_\_\_, 190\_\_\_\_\_  
}

████████  
O SEAL O  
████████

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, December 20, 1904.

The foregoing field notes of the survey of \_\_\_\_\_ the Subdivisional lines of Township No. 2 South, Range No. 8 West of the Uintah Special Base and Meridian, Utah,

executed by George C. Swan and Frederick C. Ferron  
their under his contract No. 278, dated Sept. 10, 1903, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

*Edward H. Rudeby*  
United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in \_\_\_\_\_, has been correctly copied from the original notes on file in this office.

\_\_\_\_\_  
*United States Surveyor General.*

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BOOK A-312

CORRECTIVE

FILED

JUL 31 1905  
*[Signature]*

## FIELD NOTES

H. J. R.  
OF THE SURVEY OF THE

SUBDIVISION

of

TOWNSHIP 2 S., RANGE 8 W.,

of the UIMTAH SPECIAL BASE AND Meridian,

in the State of Utah.

AS SURVEYED BY

George C. Swan and Frederick C. Ferron United States Deputy Surveyor,  
their  
Under his Contract No. 278, dated September 10th, 1903.

Survey commenced June 27th., 1905.

Survey completed June 28th., 1905.

## NAMES AND DUTIES OF ASSISTANTS.

William O. Walquist Chairman

Lawrence K. Swan Chairman

Lawrence K. Swan, Vice-chairman

Albert D. Pegeur, Optimist

Albert D. Pegeur, Flagman

JUN A-312

## INDEX DIAGRAM.

*Township....., Range.....*

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

*Meanders Page.....*

PRELIMINARY OATHS OF ASSISTANTS.

We, William D. Halquist, and Lawrence R. Swan,  
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the  
chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that  
we will report the true distances to all notable objects, and the true lengths of all lines that we assist in  
measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of  
Subdivision of Township 2 S., Range 8 W., of Uintah Special  
Base and Meridian, Utah. William D. Halquist, Chairman.  
Lawrence R. Swan, Chairman.

Subscribed and sworn to before me this 24<sup>th</sup>  
day of June, 1905 }



George C. Brown  
U. S. Deputy Surveyor

We, Lawrence R. Swan and  
do solemnly swear that we will well and truly perform the duties of moundman in the establishment  
of corners, according to the instructions given me, to the best of my skill and ability, in the survey of  
Subdivision of Township 2 S. Range 8 W. of Uintah Special  
Base and Meridian, Utah Lawrence R. Swan, Moundman.  
, Moundman.

Subscribed and sworn to before me this 24<sup>th</sup>  
day of June, 1905 }



George C. Brown  
U. S. Deputy Surveyor

We, Albert D. Page Jr. and  
do solemnly swear that we will well and truly perform the duties of axman in the establishment of corners  
and other duties, according to instructions given me, to the best of my skill and ability, in the survey of  
Subdivision of Township 2 S. Range 8 W. of Uintah  
Special Base and Meridian, Utah Albert D. Page Jr., Axman.  
, Axman.

Subscribed and sworn to before me this 24<sup>th</sup>  
day of June, 1905 }



George C. Brown  
U. S. Deputy Surveyor

I, Albert D. Page Jr., do solemnly swear that I will well and truly  
perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the  
survey of Subdivision of Township 2 S. Range 8 W. of Uintah  
Special Base and Meridian, Utah Albert D. Page Jr., Flagman.

Subscribed and sworn to before me this 24<sup>th</sup>  
day of June, 1905 }



George C. Brown  
U. S. Deputy Surveyor

CORRECTIVE NOTES  
of  
SUBDIVISION OF TP. 2 S., R. 8 W., U.S.B. & M.

CHAINS

Survey commenced June 27th., 1905, and executed with the instrument described in Book "I" of this survey.

I know the instrument to be in adjustment from recent test made at the corner of secs. 4, 5, 8 and 9, Tp. 4 S., R. 8 W., and recorded in Book "I" of this survey.

The cor. of secs. 5, 6, 31 and 32 on S. bdy. of Tp., was a post. I destroyed all trace of same, and re-established cor.

Set a sandstone 15x10x7 ins., 10 ins. in the ground, for cor. of secs. 5, 6, 31 and 32, marked with 1 notch on W. and 5 notches on E. edge.

SW. bearing tree has been destroyed by fire, therefore I mark new bearing tree.

A cedar tree 12 ins. diam., bears S.66°45'W.. 129 lks. dist., mkd. T 3 S R 8 W S 6 B T.

---

At 8h. 0m. a.m., l.m.t., I set off 40°16'N. on lat. arc; 23°21'N. on decl. arc, and determine a true meridian with the solar, at the above described cor.

Thence I retrace and resurvey

W.0°4'W. bet. secs. 31 and 32.

Ascend through heavy cedar and pine timber, and dense sage brush.

- 9.00 Leave heavy cedar and pine timber, bear NE. and SW.
- 21.00 Enter heavy cedar and pine timber, bear NE, and SW.
- 39.90 I find old  $\frac{1}{4}$  sec.cor. 6 lks. W. I destroy all trace of same.

- 40.00 Set a sandstone 20x12x8 ins., 15 ins. in the ground, marked  $\frac{1}{4}$  on W. face; from which

A cedar tree 5 ins. diam., bears S.1°E., 11 lks. dist., mkd.  $\frac{1}{4}$  S 32 B T.

A cedar tree 8 ins. diam., bears S.67°W., 27 lks. dist., mkd.  $\frac{1}{4}$  S 31 B T.

- 65.00 Old road, bears NE. and SW., in wash.

CORRECTIVE NOTES

of

SUBDIVISION OF TP. 2 S., R. 8 W., U.S.B. & M.

CHAINS

- 72.00 Leave heavy cedar and pine timber; enter scattering cedar and pine timber.
- 79.79 Intersect old cor. of secs. 29, 30, 31 and 32.  
I destroy all trace of same.
- 80.00 Set a sandstone 18x8x8 ins., 12 ins. in the ground, for cor. of secs. 29, 30, 31 and 32, mkd. with 1 notch on S. and 5 notches on E. edge; from which  
  
A pinon pine tree 12 ins. diam., bears N. 68° E., 44 lks. dist., mkd. T 2 S R 8 W S 29 B T.  
A pinon pine tree 5 ins. diam., bears S. 45° E., 105 lks. dist., mkd. T 2 S R 8 W S 32 B T.  
A pinon pine tree 10 ins. diam., bears N. 23° W., 37 lks. dist., mkd. T 2 S R 8 W S 30 B T.  
No other bearing trees available; raise mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.  
Land mountainous.  
Soil clay and stony; 2nd. and 3rd. rate.  
Timber cedar and pine.  
Heavily timbered land, covered with dense undergrowth.  
80.00 chs.

Thence I run

S. 89° 59' E. on retracement bet. secs. 29 and 32.

39.98 I find old  $\frac{1}{4}$  sec. cor. 4 lks. S. I destroy all trace of same.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

79.80 Intersect N. and S. line 9 lks. N. of the cor. of secs. 28, 29, 32 and 33.

Thence I run

N. 89° 55' W. on true line bet. secs. 29 and 32.

Ascend over broken land through heavy cedar and pine timber.

39.90 Set a sandstone 18x10x4 ins., 12 ins. in the ground, for

CORRECTIVE NOTES

of

SUBDIVISION OF TP. 2 S., R. 8 W., U.S.B. & M.

CHAINS

$\frac{1}{4}$  sec. cor., mkd.;  $\frac{1}{4}$  on N. face; from which

A cedar tree 10 ins. diam., bears N.50°E. 143 lks.  
dist., mkd.  $\frac{1}{4}$  S 29 B T.

A cedar tree 6 ins. diam., bears S.46°E. 67 lks. dist.,  
mkd.  $\frac{1}{4}$  S 32 B T.

41.50 Dry run, course SW.; enter dense sage brush.

79.80 The cor. of secs. 29, 30, 31 and 32.

Land mountainous.

Soil stony; 2nd. and 3rd. rate.

Timber cedar and pine.

Mountainous land covered with heavy timber and dense  
undergrowth. 79.80 chs.

No other change in topography on this line.

S.89°57'W. on retracement bet. secs. 30 and 31.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

40.17 I find old  $\frac{1}{4}$  sec. cor. 70 lks. S. I destroy all trace of  
same.

78.12 Intersect W. bdy. of Tp. 19 lks. S. of the cor. of secs.  
19, 24, 25 and 30.

Thence I run

S.89°55'E. on true line bet. secs. 30 and 31.

Descend over mountainous land, through heavy cedar and  
pine timber.

6.90 Leave cedar and pine timber; enter Red Creek bottom,

bears N.20°W. and S.20°E.; enter dense sage and squaw brush.

8.00 Red Creek 25 lks. wide, course S.; ascend.

14.80 Old road, bears N. and S.

16.50 Sandstone ledges, bear N. and S.

38.12 Set a sandstone 24x14x10 ins., 18 ins. in the ground, for  
 $\frac{1}{4}$  sec. cor., mkd.  $\frac{1}{4}$  on N. face; from which

A cedar tree 14 ins. diam., bears N.62°E. 5 lks. dist.,  
mkd.  $\frac{1}{4}$  S 30 B T.

A cedar tree 18 ins. diam., bears S.38°E. 59 lks. dist.

CORRECTIVE NOTES  
of  
SUBDIVISION OF TP. 2 S., R. 8 W., U.S.B. & N.

CHAINS

mkd.  $\frac{1}{4}$  S 31 B T.

78.12 The cor. of secs. 29, 30, 31 and 32.

Land mountainous.

Soil stony; 2nd. and 4th. rate.

Timber cedar and pine.

Mountainous land covered with heavy timber, and dense undergrowth. 78.12 chs.

N. 4°W. on retrace and resurvey bet. secs. 29 and 30.

Ascend over mountainous land, through heavy cedar and pine timber, and dense sage brush.

39.77 I find old  $\frac{1}{4}$  sec. cor. I destroy all trace of same.

40.00 Set a sandstone 15x10x6 ins., 10 ins. in the ground, for  $\frac{1}{4}$  sec. cor., mkd.  $\frac{1}{4}$  on W. face; from which

A cedar tree 5 ins. diam., bears S.44 $\frac{1}{2}$ °E. 209 lks.  
dist., mkd.  $\frac{1}{4}$  S 29 B T.

A cedar tree 12 ins. diam., bears N.62°W. 122 lks.  
dist., mkd.  $\frac{1}{4}$  S 30 B T.

79.25 Dry wash 5 ft. deep, 10 ft. wide, course SE.

79.70 I find old cor. to secs. 19, 20, 29 and 30. I destroy all trace of same.

80.00 Set a sandstone 15x12x5 ins., 10 ins. in the ground, for cor. of secs. 19, 20, 29 and 30, mkd. with 2 notches on S. and 5 notches on E. edge; from which

A cedar tree 6 ins. diam., bears S.60°E. 34 lks. dist.,  
mkd. T 2 S R 8 W S 29 B T.

A cedar tree 6 ins. diam.. bears S.57°W. 25 lks. dist.  
mkd. T 2 S R 8 W S 30 B T.

A cedar tree 6 ins. diam., bears N.5°W. 67 lks. dist.,  
mkd. T 2 S R 8 W S 19 B T.

No other bearing trees available; raise mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.

CORRECTIVE NOTES  
of  
SUBDIVISION OF TP. 2 S., R. 8 W., U.S.B. & M.

CHAINS

Land mountainous.

Soil stony; 2nd: and 3rd: rate.

Timber cedar and pine.

Mountainous land covered with heavy timber, and dense undergrowth. 80.00 chs.

---

June 27th., Cloud obscures the sun; can take no lat. observation for this day.

June 27th.. 1905.

June 28th., 1905,

At 8h. 0m. a.m., l.m.t., I set off  $40^{\circ}18'N.$  on lat. arc;  $23^{\circ}19'N.$  on decl. arc, and determine a true meridian with the solar, at the cor. of secs. 19, 20, 29 and 30.

Thence I retrace and resurvey

S. $89^{\circ}58'E.$  bet. secs. 20 and 29.

40.00 No trace of old  $\frac{1}{4}$  sec. cor. can be found.

Set temp.  $\frac{1}{4}$  sec. cor.

79.80 Intersect N. and S. line 14 lks. N. of the cor. of secs. 20, 21, 28 and 29.

Thence I run.

N. $89^{\circ}52'W.$  on true line bet. secs. 20 and 29.

Descend through dense sage brush:

3.30 Dry run, course S. $20^{\circ}E.$

Ascend.

7.30 Road, bears N. $25^{\circ}W.$  and S. $25^{\circ}E.$

14.80 West edge of ravine, course N. $25^{\circ}W.$  and S. $25^{\circ}E.$

Over rolling land.

39.90 Set a cobble stone 15x8x6 ins., 10 ins: in the ground, for  $\frac{1}{4}$  sec. cor.:, mkd.  $\frac{1}{4}$  on N. face, and raise mound of stone 2 ft..base,  $1\frac{1}{2}$  ft. high W. of cor.

40.20 Ditch, bears N. and S.

50.00 Ridge, bears NW. and SE.

60.00 Bottom of ravine, course S.

71.00 Enter scattering cedar and pine timber

79.80 The cor. of secs. 19,20,29, and 30.

CORRECTIVE NOTES  
of  
SUBDIVISION OF T.P. 2 S., R. 8 W., U.S.B. & M.

CHAINS

Land mountainous.

Soil loam and stony; 1st, and 4th, rate.

Timber cedar and pine.

Mountainous land covered with heavy timber and dense undergrowth. 79.80 chs.

---

S.89°56'W. on retrace ment bet secs. 19 and 30.

40.00 No trace of old  $\frac{1}{4}$  sec. cor. can be found.

Set temp.  $\frac{1}{4}$  sec. cor.

78.28 Intersect W. bdy. of Tp. 30 lks. S. of the cor. of secs. 19, 24, 25 and 30.

Thence I run

S.89°51'E. on true line bet. secs. 19 and 30.

Ascend over mountainous and broken land, through heavy cedar and pine timber.

1.00 Knoll.

Descend.

4.40 Ravine, 200 ft. deep, course SW.

Ascend.

26.50 Spur, projects S.

38.28 Set a sandstone 15x10x7 ins., 10 ins. in the ground, for  $\frac{1}{4}$  sec. cor., mkd.  $\frac{1}{4}$  on N. face; from which

A pinon pine tree 10 ins. diam., bears S.17°W. 107 lks. dist., mkd.  $\frac{1}{4}$  S 30 B T.

A pinon pine tree 10 ins. diam., bears N.78°W. 5 lks. dist., mkd.  $\frac{1}{4}$  S 19 B T.

41.00 Ravine 300 ft. deep, course S.20°W.

Ascend.

49.00 Indian graves 1 ch. N.

66.00 Ridge, bears NW. and SW.

Descend.

77.90 Dry wash 5 ft. deep, 10 lks. wide, course SE.

78.28 The cor. of secs. 19, 20, 29 and 30.

CORRECTIVE NOTES  
of

SUBDIVISION OF TP. 2 S., R. 8 W., U.S.B.& M.

CHAINS

Land mountainous.

Soil stony and clay; 2nd. and 4th. rate.

Timber cedar and pine.

Mountainous and heavily timbered land. 78.28 chs.

---

N.0°4'W. on retracement bet. secs. 19 and 20.

40.00 Intersect old  $\frac{1}{4}$  sec. cor., which is a cobble stone 4x8x6 ins. above ground, firmly set, marked and witnessed as described in the original field notes; from which

A pinon pine tree 12 ins. diam., bears N.51 $\frac{1}{2}$ °E. 95 lks. dist., mkd.  $\frac{1}{4}$  S 20 B T.

A pinon pine tree 14 ins. diam., bears N.33°W. 191 lks. dist., mkd.  $\frac{1}{4}$  S 19 B T.

80.00 Intersect cor. of secs. 17, 18, 19 and 20, which is a sandstone 8x8x8 ins. above ground, mkd. and witnessed as described in original field notes

June 28th., 1905, At this cor., I set off 23°18'N. on decl. arc; and at 12h. 3m., l.m.t., observe the sun on the meridian; the resulting lat. is 40°18'N.

No change in topography on this line.

*George Bowman* June 28th., 1905.

*U.S. Deputy Surveyor.*

---

There being no notary public or other officer authorized to administer oaths, within reasonable distance, in order to save time and expense, I administer the preliminary and final oaths myself.

---

*George Bowman*

U.S. Deputy Surveyor.

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# FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

## LIST OF NAMES.

A list of the names of the individuals employed by George C. Swan,  
United States Deputy Surveyor, to assist in running, measuring, and  
marking the lines and corners described in the foregoing field notes of the <sup>corrective</sup> survey of Subdivision  
of Township 2 S., Range 8 W., of Uintah Special Base and  
Meridian, Utah showing the respective capacities in which they acted:

William O. Walquist, Chainman.

Lawrence K. Swan, Chainman.

Lawrence K. Swan, Moundman.

, Moundman.

Hubert D. Page Jr., Axman.

, Axman.

Hubert D. Page Jr., Flagman.

## FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted George C. Swan,  
United States Deputy Surveyor, in surveying all  
those parts or portions of the Subdivision of  
Township 2 S., Range 8 W.,  
Special Base and meridian, State of Utah, which are represented  
in the foregoing field notes as having been surveyed by him and under his direction; and that said survey  
has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the  
corner monuments established, according to the instructions furnished by the United States Surveyor  
General for Utah.

William O. Walquist, Chainman.

Lawrence K. Swan, Chainman.

Lawrence K. Swan, Moundman.

, Moundman.

Hubert D. Page Jr., Axman.

, Axman.

Hubert D. Page Jr., Flagman.

Subscribed and sworn to before me this 1<sup>st</sup> }  
day of July, 1905 }  
{



George C. Swan

U. S. Deputy Surveyor

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, George C. Swan, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Edward H. Alderson, United States Surveyor General for Utah, bearing date of the 10<sup>th</sup> day of September, 1903, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Utah, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of Subdivision of Township 2 S., Range 8 W.,

of the Uintah Special Base and meridian, in the State of Utah, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for Utah, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

Subscribed by said George C. Swan, and sworn to before me,

this 31<sup>st</sup> day of July, 1905.



George C. Swan  
United States Deputy Surveyor.

Edward H. Alderson  
U.S. Surveyor General  
for Utah.

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, August 2, 1905

The foregoing field notes of the survey of the subdivisions of Township 2 S., Range 8 W. & West of the Uintah Special Base and Meridian, Utah,  
executed by George C. Swan and Frederick L. Ferron,

executed by George C. Swan and Frederick L. Ferron,  
under his contract No. 1978, dated September 10, 1903; having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Edward H. Alderson  
United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in \_\_\_\_\_, has been correctly copied from the original notes on file in this office.

United States Surveyor General.

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BOOK ✓ A-312

J.

FILED

OCT 20 1904

U.S. GPO

## FIELD NOTES

OF THE SURVEY OF THE

Subdivision  
of  
Township No. 1 South  
Range 7.0. 8 West

of the Mintak Special base and Meridian,  
In the state of Illinois.

AS SURVEYED BY

George C. Swank and Frederick C. Brown, United States Deputy Surveyors  
 Under his Contract No. 278, dated Sept. 10<sup>th</sup>, 1903.  
 Survey commenced November 14<sup>th</sup>, 1903.  
 Survey completed " 25<sup>th</sup>, 1903.

6-161

1. 59. 39. 08	59. 39. 08.
2. 79. 86. 1	
3. 76. 16. 1	

## NAMES AND DUTIES OF ASSISTANTS.

Thomas F. Peltier Chairman

Alfred J. Petrie " "

Alpha H. Manning Vice Chairman

George Alexander Adams

Paul G. Richardson Chapman

For preliminary affidavits see book "C" T.4 S.R.8 W.

BOOK A-312

INDEX DIAGRAM.

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*Meanders Page* .....

## PRELIMINARY OATHS OF ASSISTANTS.

WE, ..... and .....

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

....., *Chainman.*

....., *Chainman.*

Subscribed and sworn to before me this .....  
day of ..... , 190 }



WE, ..... and .....

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

....., *Moundman.*

....., *Moundman.*

Subscribed and sworn to before me this .....  
day of ..... , 190 }



WE, ..... and .....

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

....., *Axman.*

....., *Axman.*

Subscribed and sworn to before me this .....  
day of ..... , 190 }



I, ..... , do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of .....

....., *Flagman.*

Subscribed and sworn to before me this .....  
day of ..... , 190 }



## SUBDIVISION OF T.1 S.R.8 W.U.S.B.&amp; M.

## CHAINS

Survey commenced Nov. 14<sup>th</sup> 1903, and executed with the instrument described in Book "A" of this survey. I examine the adjustments of the transit and find them correct, then to test the solar apparatus by comparing its indications resulting from solar observations, made during p.m. and a.m. hours with a meridian determined by Polaris observations. I proceed as follows: At the cor. of secs. 1, 3, 5, 3, and 36 on S. Bdy. of Tr., previously described; lat.  $40^{\circ}21'07''$  N.; long.  $110^{\circ}46'48''$  W. at 4h. p.m. l.m.t. I set off  $40^{\circ}21'N.$  on lat. arc;  $18^{\circ}04'S.$  on decl. arc, and determine a true meridian with the solar, and mark a point thereof on a stone firmly set in the ground 5 chs. N. of my station.

At 8h. 51m. p.m.. l.m.t.

I observe Polaris at upper culmination in accordance with Manual of Instructions. The meridian thus determined falls on a pole set on the mark determined by p.m. solar observations.

November 14, 1903.

November 15, 1903, at 8h. a.m. l.m.t. I set off  $40^{\circ}21'N.$  on lat. arc;  $18^{\circ}16'S.$  on decl. arc, and determine a true meridian with the solar. The meridian thus determined falls on a pole set on the mark determined by p.m. solar and Polaris observation.

The solar apparatus by p.m. and a.m. hours defines position for meridian same as Polaris observation; therefore I conclude the adjustments of the instrument are correct.

The magnetic bearing of the true meridian at 7h.30m. a.m. l.m.t. is  $N.16^{\circ}45'W.$ , the angle thus determined gives the magnetic declination  $16^{\circ}45'W.$ ; from the corner already described I run,

N.  $0^{\circ}01'W.$  bet. secs. 35 and 36

SUBDIVISION OF T.1 S.R.8 W.U.S.B.& M.

CHAINS

Desc. over mountainous land, through dense oak, squaw and sage brush.

2.00 Ravine 200 ft. deep, course SE.

Ascend.

16.00 Saddle bears NE. and SW., in ridge bears NW. and SE.  
Descend.

17.50 Ravine 150 ft. deep, course E.

Ascend.

40.00 Set a sandstone 18x10x8 ins. 12 ins. in the ground for  $\frac{1}{4}$  sec. cor., mkd.  $\frac{1}{4}$  on W. face, and raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.

49.00 Ridge bears NW. and SE.

Descend.

70.00 Hollow, course E.

Ascend.

80.00 Set a cobble stone 16x12x5 ins. 11 ins. in the ground for cor. of secs. 25-26-35 and 36, mkd. 1 notch on S. and E. edges; raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.

Land mountainous.

Soil stony; 3rd. rate.

No timber.

Mountainous land and dense undergrowth. 80.00 chs.

---

S.  $89^{\circ}54'$ E. on a random line, bet. secs. 25 and 36

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

80.07 Intersect E. bdy. of Tp. 3 lks. S. of the cor. of secs. 25-30-31 and 36, previously described.

Thence I run,

N.  $89^{\circ}55'$ W. on a true line, bet. secs. 25 and 36  
Asc. over mountainous land, through dense oak, squaw and sage brush.

6.00 Creek, 2 lks. wide, in hollow, course SE.

Ascend.

SUPERVISION OF T.I.S.R.& R.U.S.F.& N.

CHAINS

- 9.00 Road bears NW. and SE.
- 10.00 Enter heavy cedar and pinon, bear NW. and SE.
- 20.00 Spur projects SW.
- Leave timber, bears NW. and SE.
- Descend.
- 26.00 Creek, 3 lks. wide, in ravine 75 ft. deep, course NE.
- Ascend.
- 30.00 Spur projects SW.
- Descend.
- 34.00 Same creek, 3 lks. wide, in hollow, course SE.
- Ascend.
- 40.03 $\frac{1}{2}$  Set a sandstone 14x11x6 ins. 10 ins. in the ground for  
 $\frac{1}{4}$  sec. cor., mka.  $\frac{1}{2}$  on N. face, and raise a mound of  
stone 2 ft. base,  $1\frac{1}{2}$  ft. high N. of cor.  
400 ft. above sec. cor.
- 54.00 Enter scattering cedar and pinon, bear NW. and SE.
- 60.00 Spur projects SE.
- Leave timber, bears NW. and SE.
- 63.00 Hollow, course SE.
- Enter scattering aspen, bear NW. and SE.
- 80.07 The cor. of secs. 25-26-35 and 36  
Land mountainous.  
Soil stony; 3rd. rate.  
Timber heavy and scattering cedar, pine and aspen.  
Mountainous land and dense undergrowth. 30.67 chs.

N. 0°01'W. bet. secs. 25 and 26

Desc. over mountainous land, through dense oak and  
squaw brush.

- 11.00 Ravine 75 ft. deep, course E.
- Ascend.
- 12.50 Spur projects E.

SUBDIVISION OF T.L.S.R.8 W.U.S.B.& H.

CHAINS

- Descend.
- 17.40 Spring branch 3 lks. wide, in hollow, course NE.
- Descend.
- 37.00 Enter heavy cedar and pinon, bear E. and W.
- 40.00 Set a limestone 14x12x5 ins. 10 ins. in the ground for  $\frac{1}{4}$  sec. cor., mkd.  $\frac{1}{4}$  on W. face; from which  
A pinon 10 ins. diam. bears N.  $38^{\circ}E$ . 133 lks. dist.  
mkd.  $\frac{1}{4}$  S 25 B T.  
A pinon 10 ins. diam. bears S.  $57^{\circ}W$ . 193 lks. dist.  
mkd.  $\frac{1}{4}$  S 26 B T.
- 44.00 Ravine 150 ft. deep, course E.
- Ascend.
- 69.00 Ridge bears NW. and SE.; cedar and pinon scattering.
- Descend.
- 80.00 Set a cobble stone 15x14x12 ins. 10 ins. in the ground, for cor. of secs. 23-24-25 and 26, mkd. 1 notch on E. and 2 notches on S. edge; from which  
A pinon 12 ins. diam. bears N.  $56^{\circ}E$ . 152 lks. dist.  
mkd. T 1 S R 8 W S 24 B T.  
A pinon 5 ins. diam. bears S.  $32\frac{1}{2}^{\circ}E$ . 168 lks. dist.  
mkd. T 1 S R 8 W S 25 B T.  
A pinon 7 ins. diam. bears N.  $35^{\circ}W$ . 120 lks. dist.  
mkd. T 1 S R 8 W S 23 B T.  
No other trees within limit.
- Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.
- Land mountainous.
- Soil stony; 3rd. rate.
- Timber heavy and scattering cedar and pinon.
- Mountainous land; heavy timber and dense undergrowth.
- 80.00 chs.
- S.  $89^{\circ}55'E$ . on a random line, bet. secs. 24 and 25
- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.

SUBDIVISION OF T.1 S.R.8 W.U.S.B.& M.

CHAINS

80.02. Intersect E. bdy. of Tp. 5 lks. S. of the cor. of secs. 19-24-25 and 30, previously described.

Thence I run,

N.  $89^{\circ}57'W.$  on a true line, bet. secs. 24 and 25  
Desc. over rolling land, through dense sage brush.

5.00 Du Chesne River 1.10 chs. wide, course SE.  
Thence along bottom land.

40.01 Set a cobble stone 16x14x10 ins. 11 ins. in the ground  
for.  $\frac{1}{4}$  sec. cor., mkd.  $\frac{1}{4}$  on N. face, and raise a mound  
of stone 2 ft. base,  $1\frac{1}{2}$  ft. high N. of the cor.

52.00 Leave bottom, begin steep ascent, bears NW. and SE.

80.02 The cor. of secs. 23-24-25 and 26

Land mountainous and rolling.

Soil loam and stony; 2nd. and 4th. rate.

No timber.

Mountainous land, and dense undergrowth. 80.02 chs.

November 15, 1903, at this corner I set off  $18^{\circ}19'11''S.$  on  
decl. arc; 11h.45m.<sup>55</sup>s. l.m.t. observe the sun on the meridian,  
the resulting lat. is  $40^{\circ}23'N.$

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N.  $0^{\circ}01'W.$  bet. secs. 23 and 24

Desc. over mountainous land, through scattering cedar.  
and pinon, and dense oak, squaw and sage brush.

40.00 Set quartzite 18x8x7 ins. 12 ins. in the ground for  $\frac{1}{4}$   
sec. cor., mkd.  $\frac{1}{4}$  on W. face, and raise a mound of  
stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor..

42.00 Enter flat, and leave timber, bear NW. and SE.

71.00 Enter heavy cottonwood and dense willows, bear NW. and SE.

80.00 Set a cobble stone 20x10x8 ins. 15 ins. in the ground for  
cor. of secs. 13-14-23 and 24, mkd. 1 notch on E. and  
3 notches on S. edge; from which

A cottonwood 5 ins. diam. bears N.  $57^{\circ}E.$  13 lks. dist.  
mkd. T 1 S R.8 W S 13 B T.

SUBDIVISION OF T.1 S.R.8 W.U.S.R.& N.

CHAINS

A cottonwood 5 ins. diam. bears S.  $72^{\circ}$ E. 3 lks. dist.  
mkd. T 1 S R 8 W S 24 B T.

A cottonwood 7 ins. diam. bears S.  $38^{\circ}$ W. 6 lks. dist.  
mkd. T 1 S R 8 W S 23 B T.

A cottonwood 5 ins. diam. bears N.  $30^{\circ}$ W. 9 lks. dist.  
mkd. T 1 S R 8 W S 14 B T..

Land mountainous and rolling.

Soil loam and stony; 2nd. and 4th. rate.

Timber heavy cottonwood, and scattering cedar and pinon.

Mountainous land; dense undergrowth, and heavy timber.

20.00 chs.

S.  $89^{\circ}57'$ E. on a random line, bet. secs. 13 and 24

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

79.88 Intersect E. bdy. of Tp. 5 lks. N. of the cor. of secs.  
13-13-19 and 24, previously described.

Thence I run,

I N.  $89^{\circ}56'$ W. on a true line, bet. secs. 13 and 24  
Desc. over mountainous land, through dense sage and oak  
brush.

3.40 Mouth of ravine, course SW.

Enter heavy cedar and pinon, bear NW. and SE.

Ascend.

10.00 Spur projects S.

Descend..

28.00 Leave cedar and pinon, over rolling land.

39.94 Set a cobble stone 12x10x5 ins. 8 ins. in the ground  
for  $\frac{1}{4}$  sec. cor., mkd.  $\frac{1}{4}$  on N. face; dig pits 18x18x12 ins.  
E. and W. of stone 3 ft. dist., and raise a mound of  
earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high N. of cor.

47.20 Road bears. NW. and SE.

62.75 Posts for fence, bear S.  $9^{\circ}$ E. and N.  $9^{\circ}$ W.

SUBDIVISION OF T.L.S.R. & W.U.S.B. & I.

CHAINS	
76.25	Wagon road bears NW. and SE.
77.15	Du Chesne River 1 ch. wide, course SE. Enter dense willow, and heavy cottonwood, bear NW. and SE.
79.88	The cor. of secs. 13-14-23 and 24. Land mountainous and rolling. Soil loam and stony; 1st. and 3rd. rate. Timber heavy cedar, pinon and cottonwood. Mountainous land; heavy timber and dense undergrowth.
79.88 chs.	

November 15, 1903.

November 16, 1903, at 8h. a.m. l.m.t. I set off  $40^{\circ}23\frac{1}{2}'$  N. on lat. arc;  $18^{\circ}30'$  S. on decl. arc, and determine a true meridian with the solar; at the cor. of secs. 13-14-23 and 24.

Thence I run,

N.  $0^{\circ}01'$  W. bet. secs. 13 and 14.

Desc. over rolling land, through heavy cottonwood timber and dense willows and rose brush.

2.70	Du Chesne River 1 ch. wide, course SE.
4.10	Leave timber, bears NW. and SE.; enter dense sage.
4.80	Road bears NW. and SE.
25.40	Elbow of Farm Creek, course SE. to SW.
34.65	Fence bears E. and W. Corral 2 chs. E. of line.
35.50	Farm Creek 5 lks. wide, course SW.
38.10	Branch of Farm Creek 3 lks. wide, course SW.
40.00	Set a quartzite stone 14x8x6 ins. 0. ins. in the ground, for $\frac{1}{4}$ sec. cor., mdk. $\frac{1}{4}$ on W. face, and dig pits 18x18x12 ins. N. and S. of stone 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high W. of cor.
43.30	Road bears NE. and SW.
65.90	Fence bears N. $31^{\circ}$ W. and S. $31^{\circ}$ E.

SUBDIVISION OF T.L.S.R.8 W.U.S.B.& H.

CHAINS

67.88

Same fence bears N. 69° E. and S. 69° W.

80.00

Set a sandstone 18x10x8 ins. 12 ins. in the ground for cor. of secs. 11-12-13 and 14; mkd. 1 notch on E. and 4 notches on S. edge; dig pits 18x18x12 ins. in each sec.

5½ ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.

Land rolling, ~~the property~~ slightly rolling land.

Soil loam; 1st. and 2nd. rate.

Timber heavy cottonwood on 4.10 chs.

Dense undergrowth 75.90 chs.

S. 89°56'E. on a random line, bet. secs. 12 and 13

40.00

Set temp. ¼ sec. cor.

79.86

Intersect E. bdy. of Tp. 14 lks. S. of the cor. of secs. 7-12-13 and 18, previously described.

Thence I run,

S. 89°58'W. on a true line, bet. secs. 12 and 13

Desc. over rolling land, through scrubby sage brush.

1.60

Farm Creek 4 lks. wide, course SW.

5.00

Fence bear NW. and SE.

18.75

Irrigating ditch, course SW.

34.55

Fence bears N. and S.

35.20

Irrigating ditch 4 lks. wide, course SW.

39.93

Set a cobblestone 15x9x4 ins. 10 ins. in the ground for ¼ sec. cor.; marked ¼ on N. face; and raise a mound of stone 2 ft. base 1½ ft. high N. of cor.

51.00

Road bears NE. and SW.

78.00

Spur projects SW.; descend.

79.86

The coro of secs. 11, 12, 13, and 14.

Land rolling.

Soil loam; 1st and 2d rate.

No timber.

SUBDIVISION OF T.1 S.R.8 W.U.S.B.& M.

CHAINS	N. $0^{\circ}01'W.$ bet. secs. 11 and 12 Asc. over rolling land, through dense sage brush. Enter heavy cedar and pinon, bear E. and W. Point of spur projects N. Descend. Leave timber, bears E. and W. Set a cobble stone $13 \times 8 \times 5$ ins. 9 ins. in the ground for $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on W. face, and dig pits $18 \times 18 \times 12$ ins. N. and S. of stone 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high W. of cor. Dry wash 10 ft. deep, 70 lks. wide, course SW. Ascend. Set a sandstone $15 \times 10 \times 6$ ins. 10 ins. in the ground for cor. of secs. 1-2-11 and 12, mkd. 1 notch on E. and 5 notches on S. edge; dig pits $18 \times 18 \times 12$ ins. in each sec. 5 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high W. of cor. Land rolling. Soil clay and stony; 2nd. and 3rd. rate. Land heavily timbered or covered with dense undergrowth 80.00 chs. November 16, 1903, at this cor. I set off $18^{\circ}34' S.$ on decl. arc, and 11h.45m.a.m. J.M.P. observe the sun on the meridian; the resulting lat. is $40^{\circ}25' N.$
40.00	II. $29^{\circ}58'E.$ on a random line, bet. secs. 1 and 12 Set temp. $\frac{1}{2}$ sec. cor.
79.94	Intersect E. bdy. of Tp. 12 lks. N. of the cor. of secs. 1-6-7 and 12, previously described. Thence I run, II. $29^{\circ}57'W.$ on a true line, bet. secs. 1 and 12 Asc. over mountainous land, through heavy cedar and pinon.

SUBDIVISION OF T.1 S.R.8 W.U.S.B.& M.

CHAINS	
4.00	Spur projects SW. Descend.
39.97	Timber scattering; enter dense sage and squaw brush. Set a sandstone 16x10x6 ins. 11 ins. in the ground for $\frac{1}{2}$ sec. cor., mkd. $\frac{1}{4}$ on N. face; dig pits 18x18x12 ins. E, and W. of cor. 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high N. of cor. 350 ft. below sec. cor.
47.00	Ravine 250 ft. deep, course SW. Ascend.
67.00	Spur projects S. Descend.
74.00	Leave timber, enter dense sage, bear N! and S.
79.94	The cor. of secs. 1-2-11 and 12 Land mountainous. Soil clay and stony; 2nd. and 4th. rate. Timber heavy and scattering cedar and pinon. Mountainous land; heavy timber and dense undergrowth 79.94 chs.
25.00	N. $0^{\circ}01'W$ . bet. secs. 1 and 2 Asc. over rolling land, through dense sage brush. Leave flat; steep ascent, scattering cedar and pinon, bear E. and W.
35.40	Set a limestone 16x10x4 ins. 11 ins. in the ground for witness cor. to $\frac{1}{4}$ sec. cor., mkd. W C $\frac{1}{4}$ on W. face, and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
35.50	Limestone ledges and steep slides, bear NE. and SW.
40.00	Point for $\frac{1}{4}$ sec. cor. falls on ledges and slide, cannot be set
45.00	Leave ledges and slides, bear NE. and SW.
85.00	Ridge bears E. and W.; descend.
90.31	Intersect Uintah Special. Base of 15:52 chs. W. of St. $\frac{1}{2}$ sec. cor. o sec. 36; which is a sandstone 6x9x4 ins. above ground firmly set, marked and witnessed as described by Deputy Washington Jenkins under his contract No. 275.

SUBDIVISION OF T.1 S.R.8 W.U.S.B.& M.

CHAINS

Set a sandstone 15x12x7 ins. 10 ins. in the ground for closing cor. of secs. 1 and 2; mkd. C C on S., and 1 groove on E.; and 5 grooves on W. faces, and raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high S. of cor.

Land mountainous and rolling.

Soil clay and stony; 2nd. and 4th. rate.

Timber scattering cedar and pinon.

Mountainous land or land covered with dense undergrowth 90.31 chs.

November 16, 1903.

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November 17, 1903, at 8h. a.m. l.m.t. I set off  $40^{\circ}21'N.$  on lat. arc;  $18^{\circ}44\frac{1}{2}'S.$  on decl. arc, and determine a true meridian with the solar. At the cor. of secs. 2-3-34 and 35, on S. bdy. of Tp. previously described.

Thence I run,

W.  $0^{\circ}02'W.$  bet. secs. 34 and 35

Desc. over mountainous land, through heavy cedar and pinon, and scattering aspen.

5.00 Ravine 200 ft. deep, course E.

Leave timber, bears E. and W.

Enter dense oak and aquaw brush.

Ascend.

15.00 Spur projects E.

Enter heavy aspen, and pines, bear E. and W.

18.00 Ravine 250 ft. deep, course SE.

Ascend.

30.00 Ridge bears NW. and SE.

Descend.

40.00 Set a cobble stone 14x12x6 ins. 10 ins. in the ground for  $\frac{1}{4}$  sec. cor., mkd.  $\frac{1}{4}$  on W. face; from which

SUBDIVISION OF T.L. S.R.8 W.U.S.B.& M.

CHAINS	A pine 14 ins. diam. bears NE. 81 lks. dist. mkd. $\frac{1}{4}$ S 35 B T. An aspen 3 ins. diam. bears N. 50°W. 55 lks. dist. mkd. $\frac{1}{4}$ S 34 B T.
47.00	Ravine 300 ft. deep, course SE. Ascend.
56.00	Ridge bears NW. and SE. Descend.
65.00	Ravine 300 ft. deep, course SE. Leave timber, bears NW. and SE.; Ascend.
80.00	Set a sandstone 18x12x10 ins. 12 ins. in the ground for cor. of secs. 26-27-34 and 35, mkd. 2 notches on E. and 1 notch on S. edge, and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. Land mountainous. Soil stony; 3rd. rate. Timber; heavy cedar, pinon and aspen and pines. Mountainous land; dense undergrowth, or heavy timber. 80.00 chs.
40.00	S. 89°54'E. on a random line, bet. secs. 26 and 35 Set temp. $\frac{1}{4}$ sec. cor.
80.10	Intersect N. and S. line 5 lks. S. of the cor. of secs. 26-27-34 and 35 Thence I run,
30.00	N. 89°56'W. bn a true line, bet. secs. 26 and 35 Asc. over mountainous land, through dense oak and squaw brush, and scattering cedar and pinon. Spur projects NE.
40.05	Descend. In hollow, course NE.

SUBDIVISION OF T.1 S.R.8 W.U.S.B.& H.

CHAINS

Set a cobble stone 15x12x10 ins. 10 ins. in the ground for  $\frac{1}{4}$  sec. cor., mkd.  $\frac{1}{4}$  on N. face, and raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high N. of cor. Ascend.  
65.00 Ridge bears NW. and SE.; descend.  
80.10 The cor. of secs. 26-27-34 and 35;  
Land mountainous.  
Soil stony; 3rd. rate.  
Timber scattering cedar and pinon.  
Mountainous land, and dense undergrowth. 80.10 chs.

II. 0°02'W. bet. secs. 26 and 27

Asc. over mountainous land, through dense oak and squaw brush.

15.00 Ridge bears NW. and SE.; descend.  
28.00 Ravine 350 ft. deep; course SW.  
33.50 Spur projects SE.  
Descend.  
40.00 Set a sandstone 20x12x8 ins. 15 ins. in the ground for  $\frac{1}{4}$  sec. cor., mkd.  $\frac{1}{4}$  on W. face, and raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.  
400 ft. below ridge.  
56.00 Ravine 250 ft. deep, course SE.  
Ascend.  
69.00 Spur projects SE.  
Descend.  
71.00 Ravine 100 ft. deep, course SE.  
Ascend.  
80.00 Set a sandstone 16x12x5 ins. 11 ins. in the ground for cor. of secs. 22-23-26 and 27, mkd. 2 notches on E. and 2 notches on S. edge, and raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.  
Land mountainous.  
Soil stony; 3rd. rate.

SUBDIVISION OF T.1 S.R.8 W.U.S.B. & N.

CHAINS

No timber.

Mountainous land, dense undergrowth. 80.00 chs.

November 17, 1903, at this corner I set off  $18^{\circ}49' S.$  on decl. arc, and observe the sun on the meridian, at 11 h. 45 m. a.m. M.M.T.; the resulting lat. is  $40^{\circ}23' N.$

S.  $89^{\circ}56' E.$  on a random line, bet. secs. 23 and 26

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

79.89 Intersect N. and S. line 7 lks. N. of the cor. of secs. 23-24-25 and 26,

Thence I run,

N.  $89^{\circ}53' W.$  on a true line, bet. secs. 23 and 26  
Asc. over mountainous land, through scattering cedar and pinon timber, and dense oak and squaw brush.

39.94 $\frac{1}{2}$  The point for  $\frac{1}{4}$  sec. cor., falls in steep conglomerate slide rock.; corner cannot be set.

44.00 Sandstone ledges 30 ft. high, bear NW. and SE.

44.15 Set a cobblestone 18x10x8 ins. 12 ins. in the ground for witness cor. to  $\frac{1}{4}$  sec. cor., mkd. W C  $\frac{1}{4}$  on N. face, and raise a mound of stone 2 ft. base.  $1\frac{1}{2}$  ft. high N. of cor.

52.25 Spur ridge, bears NW. and SE.

Descend.

79.89 The cor. of secs. 23-23-26 and 27

Land mountainous.

Soil stony; 3rd. and 4th. rate.

Timber scattering cedar and pinon.

Mountainous land, and dense undergrowth. 79.89 chs.

N.  $0^{\circ}02' W.$  bet. secs. 22 and 23

Asc. over mountainous land, through dense oak, and squaw brush.

8.00 Ridge bears NW. and SE.

Descend.

SUBDIVISION OF T.1 S.R.8 W.U.S.B.& H.

CHAINS

- 40.00 Set a cobblestone 18x8x5 ins. 12 ins. in the ground for  $\frac{1}{4}$  sec. cor., mkd.  $\frac{1}{4}$  on W. face, and raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.  
350 ft. below ridge.
- 80.00 Set a sandstone 15x12x5 ins. 10 ins. in the ground for cor. of secs. 14-15-22 and 23, mkd. 2 notches on E., and 3 notches on S. edge, and raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.
- Land mountainous.
- Soil stony; 3rd. and 4th. rate.
- No timber.
- Mountainous land, and dense undergrowth. 80.00 chs.

S.  $89^{\circ}53' E.$  on a random line, bet. secs. 14 and 23

- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 79.98 Intersect N. and S. line 14 lks. S. of the cor. of secs. 13-14-22 and 23,
- Thence I run,
- N.  $89^{\circ}59' W.$  on a true line, bet. secs. 14 and 23
- Asc. over rolling land, through heavy cottonwood timber, and dense willow and rose brush.
- 7.00 Leave timber and willows, enter dense sage, oak and service-berry brush.
- 27.75 Leave bottom, and begin steep ascent.
- 30.75 Spur projects NE. Enter scattering pinon and cedar, bear NW. and SE.
- Descend.
- 39.99 Set a sandstone 15x12x5 ins. 10 ins. in the ground for  $\frac{1}{4}$  sec. cor., mkd.  $\frac{1}{4}$  on N. face, and raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high N. of cor.
- 53.00 Leave cedar and pinon, bear NE. and SW.
- 57.50 Ravine 30 ft. deep, course NE.
- Ascend.

SUBDIVISION OF T.1 S.R.8 W.U.S.B.& M.

CHAINS

79.98 The cor. of secs. 14-15-22 and 23

Land mountainous and rolling.

Soil loam and stony; 1st. and 4th. rate.

Timber heavy cottonwood, and scattering cedar and pinon.

Mountainous land; heavy timber, and dense undergrowth.

79.98 chs.

November 17, 1903.

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November 18, 1903, at 8h. a.m. l.m.t. I set off  $40^{\circ}23\frac{1}{2}'N.$  on lat. arc;  $18^{\circ}58'5''S.$  on decl. arc, and determine a true meridian with the solar, at the cor. of secs. 14-15-22 and 23,

Thence I run,

N.  $0^{\circ}02'W.$  bet. secs. 14 and 15

Desc. over mountainous land; through dense oak, sage and squaw brush.

7.00 Ravine 150 ft. deep, course NE.

Ascend.

18.00 Spur projects NE.

Descend.

40.00 Set a sandstone 16x8x5 ins. 11 ins. in the ground for  $\frac{1}{4}$  sec. cor., mkd.  $\frac{1}{4}$  on W. face, and raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.

68.00 Enter bottom, bears NW. and SE.

76.00 Enter heavy cottonwood timber, and dense willows and rose brush, bear NW. and SE.

80.00 Set a sandstone 18x18x4 ins. 12 ins. in the ground for cor. of secs. 10-11-14 and 15, mkd. 2 notches on E. and 4 notches on S. edge; from which

A cottonwood 3 ins. diam. bears N.  $26^{\circ}E.$  19 lks. dist.  
mkd. T 1 S R 8 W S 11 B T.

A cottonwood 3 ins. diam. bears S.  $70^{\circ}E.$  2 lks. dist.  
mkd. T 1 S R 8 W S 14 B T.

A cottonwood 4 ins. diam. bears S.  $22^{\circ}W.$  3 lks. dist.

## SURDIVISION OF T.D. S.R. &amp; T.S. W.U.C.R. &amp; N.

CHAINS

mkd. T 1 S R 8 T S 15 R C.

A cottonwood 4 ins. diam. bears N. 75°E. 5 lbs. dist.

mkd. T 1 S R 8 T S 10 R C.

Land mountainous and rolling.

Soil loam and stony; 2nd. and 4th. rate.

Timber heavy cottonwood.

Mountainous land; heavy timber, or dense undergrowth  
80.00 obs.

S. 89°59'E. on a random line, bet. secs. 11 and 14

40.00 Set temp.  $\frac{1}{4}$  sec. cor.79.87 Intersect N. and S. line 3 lks. S. of the cor. of secs.  
11-12-13 and 14,

Thence I run,

W. on a true line, bet. secs. 11 and 14

Desc. over rolling land, through dense sage brush.

3.25 Road bears N. and S.

39.94 Set a cobblestone 18x10x6 ins. 9 ins. in the ground for  
 $\frac{1}{4}$  sec. cor., mkd.  $\frac{1}{4}$  on N. face; dig pits 18x18x12 ins.  
E. and W. of stone 3 ft. dist., and raise a mound of  
earth  $3\frac{1}{2}$  ft. base.  $1\frac{1}{2}$  ft. high N. of cor.

68.00 Road, bears N. W. and S. E.

70.00 DuShone River 110-lks. wide, course S. E.

Under heavy cottonwood timber, some willow and rose brush.

79.87 The cor. of secs. 10-11-14 and 15

Land rolling.

Soil loam and stony; 1st. and 3rd. rate.

Timber heavy cottonwood.

Heavy timber or dense undergrowth. 79.87 obs.

N. 0°02'W. bet. secs. 10 and 11

Desc. over rolling land, through heavy cottonwood timber,  
and dense willow and rose brush.

## SUBDIVISION OF T.L.S.R.&amp;W.U.S.B.&amp; M.

## CHAINS

- 10.00 DU Chesne River 1 ch. wide, course SE. Ascend.  
11.00 Road bears NW. and SE.  
Leave cottonwood and willow, enter dense sage and scattering cedar and pinon, leave bottom.  
40.00 Set a cobblestone 14x8x6 ins. 10 ins. in the ground for  $\frac{1}{4}$  sec. cor., mkd.  $\frac{1}{2}$  on W. face, and raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.  
75.00 Ridge bears E. and W.  
Descend.  
80.00 Set a cobblestone 12x8x6 ins. 8 ins. in the ground for cor. of secs. 2-3-10 and 11, mkd. 2 notches on E. and 5 notches on S. edge, and raise a mound of stone 2 ft. bas ,  $1\frac{1}{2}$  ft. high W. of cor.  
Land mountainous, and rolling bottom.  
Soil loam and stony; 2nd. and 3rd. rate.  
Timber, heavy cottonwood and scattering cedar and pinon.  
Mountainous land; heavy timber, or dense undergrowth.  
80.00 chs.  
November 18, 1903, at this cor. I set off 19°04'S. on decl. arc; and 11h. 45m. a.m. l.m.t. observe the sun on the meridian; the resulting lat. is 40°25'N.

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E. on a random line, bet. secs. 2 and 11

- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
80.06 Intersect N. and S. line 5 lks..S. of the cor. of secs. 1-2-11 and 12,  
Thence I. run,  
( S. 89°58'W. on a true line bet. secs. 2 and 11  
Asc. over rolling land, through dense sage and squaw brush.  
28.00 Spur ridge bears NW. and SE., enter heavy cedar and pino .  
timber, bears NW. and SE.  
Descend.  
36.00 Ravine 150 ft. deep, course S.

SUBDIVISION OF T.1 S.R.8 W.U.S.B.& M.

CHAINS	Leave timber, bear N. and S.
	Ascend.
40.03	Set a sandstone 14x9x5 ins. 10 ins. in the ground for $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on N. face, and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.
49.00	Spur projects S., enter burnt and fallen timber, bears N. and S.
	Descend.
65.00	Ravine 200 ft. deep, course NW. Leave timber, bears NW. and SE.
	Ascend.
80.06	The cor. of secs. 2-3-10 and 11 Land mountainous and rolling. Soil loam and stony; 2nd. and 4th. rate. Timber heavy cedar, pinon, burnt and fallen. Mountainous land; heavy and fallen timber, and dense undergrowth. 80.06 chs.
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	N. $0^{\circ}02'$ W. bet. secs. 2 and 3
	Desc. over mountainous land, through dense oak and sage brush.
13.00	Ravine 200 ft. deep, course W.
	Ascend.
21.00	Spur projects S. $75^{\circ}$ W.
	Enter heavy cedar and pinon, bear E. and W.
	Descend.
26.00	Ravine 100 ft. deep, course S. $75^{\circ}$ W.
	Ascend.
36.00	Spur projects S. $55^{\circ}$ W.
36.60	Set a quartzite stone 16x10x8 ins. 11 ins. in the ground for witness cor. to $\frac{1}{4}$ sec. cor., mkd. W C $\frac{1}{2}$ on W. face; from which A pinon 20 ins. diam. bears S. $21^{\circ}$ E. 21 lks. dist. mkd. W C $\frac{1}{2}$ S 2 B T. A pinon 7 ins. diam. bears S. $53^{\circ}$ W. 80 lks. dist.

SUBDIVISION OF T.1 S.R.8 W.U.S.R.& M.

CHAINS

mkd. W C  $\frac{1}{4}$  S 3 B T.

Steep descent over broken ledges and slides, bear NE. and SW.

40.00 The point for  $\frac{1}{4}$  sec. cor. falls in steep slide rock, and ledges.

60.00 Ravine 500 ft. deep, course SW. . .  
Ascend.

70.00 Leave ledges, bear NE. and SW.

84.00 Spur projects W. . .

Leave timber, bears E. and W. Descend.

90.20 Intersect Uintah Special Base 15:54 chgs. W. of St.  $\frac{1}{4}$  sec. co  
of sec. 35; which is a sandstone 14x4x6 ins. above ground. , firmly set, marked and witnessed as described under contract No. 275. Washington Jenkins, Dep. Sur.

Set a sandstone 15x8x8 ins. 10. ins. in the ground for closing corner of secs. 2 and 3; mkd.. C C on S.,

2 grooves on E., and

4 grooves on W. face, and raise a mound of stone 2 ft base,  $1\frac{1}{2}$  ft. high S. of cor.

Land mountainous.

Soil stony; 2nd. and 4th. rate.

Timber heavy cedar and pinon.

Mountainous land; heavy timber and dense undergrowth.

90.20 chs.

November 18, 1903.

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November 19, 1903, at 8h.a.m. I set off  $40^{\circ}21'N.$   
on lat. arc;  $19^{\circ}15\frac{1}{2}'S.$  on decl. arc, and determine a true  
meridian with the solar, at the cor. of secs. 3-4-33 and  
34, on the S. bdy. of Tp. 1 S.R.8 W., previously described.  
Thence I run,

N.  $0^{\circ}02'W.$  bet. secs. 33 and 34

SUBDIVISION OF T. 1 S.R. 10 W.U.S.B.& M.

CHAINS	Asc. over mountainous land, through dense oak and squaw brush.
6:50	Ridge bears NW. and E. Descend.
10.00	Enter scattering pine, bear E. and W.
14.00	Enter heavy aspen, bear E. and W.
35.00	Ravine 200 ft. deep, course SE. Leave timber, bear NW. and SE. Ascend.
40.00:	Set a cobblestone 20x16x12 ina. 15 ins. in the ground for $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on W. face, and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
50.00	Ridge bears NW. and SE. Enter heavy aspen, pine and fallen timber. Descend.
77.00	Ravine, course SE. Ascend.
80.00	Set a limestone 18x12x9 ins. 12 ins. in the ground for cor. of secs. 27-28-33 and 34, mkd. 3 notches on E., and 1 notch on S. edge; from which  A pine 10 ins. diam. bears W. $40^{\circ}$ E. 19 lks. dist. mkd. T 1 S R 8 W S 27 B T.  A pine 20 ins. diam. bears S. $85^{\circ}$ E. 19 lks. dist. mkd. T 1 S R 8 W S 34 B T.  A pine 20 ins. diam. bears S. $20^{\circ}$ W. 20 lks. dist. mkd. T 1 S R 8 W S 33 B T.  An aspen 9 ins. diam. bears N. $30^{\circ}$ W. 30 lks. dist. mkd. T 1 S R 8 W S 28 B T.
	Land mountainous. Soil stony; 3rd. rate. Timber heavy aspen and pines. Mountainous land; heavy and fallen timber, and dense undergrowth. 80.00 chs.

SUBDIVISION OF T.L. S.R.8 N.U.S.B.& H.

CHAINS

- S.  $89^{\circ}54' E.$  on a random line, bet. secs. 27 and 34  
40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
80.08 Intersect N. and S. line 5 lks. S. of the cor. of secs.  
26-27-34 and 35,  
Thence I run,  
N.  $89^{\circ}56' W.$  on a true line, bet. secs. 27 and 34  
Desc. over mountainous land, through dense oak and squaw  
brush.  
30.00 Ravine 250 ft. deep, course SE.  
Enter heavy aspen and pine timber, bears NW. and SE.  
Ascend.  
40.04 Set a sandstone 18x12x6 ins. 12 ins. in the ground for  
 $\frac{1}{4}$  sec. cor., mkd.  $\frac{1}{4}$  on N. face; from which  
A pine 10 ins. diam. bears SE. 115 lks. dist.  
mkd.  $\frac{1}{4}$  S 34 R T.  
An aspen 7 ins. diam. bears N.  $25^{\circ}W.$  58 lks. dist.  
mkd.  $\frac{1}{4}$  S 27 R T.  
55.00 Spur projects, SE.  
Descend.  
80.08 The cor. of secs. 27-28-33 and 34  
Land mountainous.  
Soil stony; 3rd. rate.  
Timber heavy aspen and pines.  
Mountainous land; heavy timber, and dense undergrowth.  
80.08 obs.  
  
N.  $0^{\circ}02' W.$  bet. secs. 27 and 28  
Asc. over mountainous land, through heavy aspen and pine  
timber.  
3.00 Leave timber, bears NW. and SE.  
14.25 Ridge bears NW. and SE.  
Enter heavy aspen and fallen timber, bears NW. and SE.  
Descend.  
27.50 Enter heavy pines, leave aspen.

SUBDIVISION OF T.1 S.R.18 W.U.S.B.& M.

- CHAIN  
39.70 Ravine 200 ft. deep, course E.  
Ascend.  
40.00 Set a cobblestone 14x10x6 ins. 10 ins. in the ground for  
 $\frac{1}{2}$  sec. cor., mkd.  $\frac{1}{4}$  on W. face; from which  
A pine 6 ins. in diam. bears S.  $68^{\circ}E$ . 48 lks. dist.  
mkd.  $\frac{1}{4}$  S 27 B T..  
A pine 5 ins. diam. bears S.  $46^{\circ}W$ . 92 lks. dist.  
mkd.  $\frac{1}{4}$  S 28 B T.  
43.00 Spur ridge, bears NW. and SE.  
Leave pine, enter heavy aspen, and dense oak brush.  
Descend.  
75.00 Leave aspen, bear NW. and SE.  
80.00 On spur ridge bear N. and S.  
Set a cobble stone 15x12x8 ins. 10 ins. in the ground for  
cor. of secs. 21-22-27 and 28, mkd. 5 notches on E., and  
2 notches on S. edge, and raise a mound of stone 2 ft.  
base,  $1\frac{1}{2}$  ft. high W. of cor..  
Land mountainous.  
Soil stony; 3rd. rate.  
Timber heavy aspen and pines.  
Mountainous land; heavy timber, and dense undergrowth.  
80.00 chs.  
November 19, 1903, at this cor. I set off  $19^{\circ}18\frac{1}{2}'S.$  on  
decl. arc; and 11h. 45m. a.m. l.m.t. observe the sun on  
the meridian; the resulting lat. is  $40^{\circ}23'N$ .
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- S.  $89^{\circ}56'E$ . on a random line, bet. secs. 22 and 27  
40.00 Set temp.  $\frac{1}{2}$  sec. cor.  
80.11 Intersect N. and S. line 3 lks. S. of the cor. of secs.  
22-23-26 and 27  
Thence I run,  
N.  $89^{\circ}57'W$ . on a true line, bet. secs. 22 and 27

SUBDIVISION OF T.1 S.R.8 W.U.S.B.& M.

CHAINS	Desc. over mountainous land, through dense oak and squaw brush.
9.00	Ravine 75 ft. deep, course SE.. Enter heavy young aspen, bear NW. and SE..
10.00	Spur projects SE. Leave aspen, bear NW. and SE..
	Descend.
16.00	Ravine 250 ft. deep, course SE.. Ascend.
38.00	Enter heavy young aspen, bear N. and S..
40.05 $\frac{1}{2}$	Set a sandstone 14x12x5 ins. 10 ins. in the ground for $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on W. face; from which An aspen 3 ins. diam. bears S. 20°E. 23 lks. dist. mkd. $\frac{1}{4}$ S 27 B T. An aspen 4 ins. diam. bears N. 16°W. 15 lks. dist. mkd. $\frac{1}{4}$ S 22 B T.
45.00	Leave aspen, bear NW..and SE..
50.11	The cor. of secs. 21,22,27, and 28 Land mountainous. Soil stony; 3rd. rate. Timber heavy young aspen. Mountainous land; heavy timber, and dense undergrowth.
50.11 chs.	H. 0°02'W. bet. secs. 21 and 22 Desc. over mountainous land, through dense oak and squaw brush, along E. slope of ridge.
4.50	Cross ridge, bear N. 15°E..
40.00	Set a sandstone 16x10x8 ins. 11 ins. in the ground for $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on W. face, and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
64.00	Dry run, course N. 10°E. 900 ft. below sec. cor.
80.00	Set a cobblestone 16x10x8 ins. 11 ins. in the ground for cor. of secs. 15-16-21 and 22, mkd. 3 notches on E., and

SUBDIVISION OF T.1 S.R.2 W.U.S.E. & N.

CHAINS

3 notches on S. edge, and 1 S on NE., and 8 W on SE. faces, and raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.  
Land mountainous.  
Soil stony; 3rd. and 4th. rate.  
No timber.  
Mountainous land, and dense undergrowth. 80.00 chs.

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S.  $89^{\circ}57' E.$  on a random line, bet. secs. 15 and 22  
40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
79.85 Intersect N. and S. line 5 lks. S. of the cor. of secs. 14-15-22 and 23;  
Thence I run,  
N.  $89^{\circ}59' W.$  on a true line, bet. secs. 15 and 22  
Descending over mountainous land; through dense squaw brush.  
6.50 Ravine 150 ft. deep, course N.E. Ascend.  
10.00 Spur projects SW.  
Descend along S. side of spur.  
23.00 Leave spur, bears NE. and SW.  
39.92 Set a sandstone 18x15x6 ins. 12 ins. in the ground for  $\frac{1}{4}$  sec. cor., mkd.  $\frac{1}{2}$  on N. face, and raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high N. of cor.  
57.00 Dry wash 15 ft. deep, 20 lks. wide, in hollow course N.  
Ascend.  
79.85 The cor. of secs. 15-16-21 and 22  
Land mountainous.  
Soil stony; 4th. rate.  
No timber,  
Mountainous land, and dense undergrowth. 79.85 chs.

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November 19, 1903.

SUBDIVISION OF T.1 S.R.8 W.U.S.B.& M.

CHAINS

November 20, 1903, at 8h. a.m. l.m.t. I set off  $40^{\circ}25\frac{1}{2}'N.$  on lat. arc;  $19^{\circ}27\frac{1}{2}'S.$  on decl. arc, and determine a true meridian with the solar, at the cor. of secs. 15-16-21 and 22,

Thence I run,

N.  $0^{\circ}02'W.$  bet. secs. 15 and 16

- Desc. over rolling land, through dense oak and sage brush
- 40.00 Set a sandstone 18x8x5 ins. 12 ins. in the ground for  $\frac{1}{2}$  sec. cor., mkd.  $\frac{1}{4}$  on W. face, and raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.
- 80.00 Set a cobblestone 20x8x6 ins. 14 ins. in the ground for cor. of secs. 9-10-15 and 16, mkd. 3 notches on E., and 4 notches on S. edge, and raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.

Land rolling.

Soil stony; 3rd. and 4th. rate.

No timber.

Land covered with dense undergrowth on. 80.00 chs.

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S.  $89^{\circ}59'W.$  on a random line, bet. secs. 10 and 15

- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 80.06 Intersect N. and S. line, 5 lks. S. of the cor. of secs. 10-11-14 and 15

Thence I run,

S.  $89^{\circ}59'W.$  on a true line, bet. secs. 10 and 15  
Asc. over mountainous land, through heavy cottonwood timber, and dense rose and willow brush.

- 14.00 Leave cottonwood and willows, enter heavy cedar and pinon bear NW. and SE.
- 22.00 Spur projects NE.  
Leave timber, enter dense oak and sage brush, bear NW. and SE.
- 40.03 350 ft. above sec. cor.

SUBDIVISION OF T.1 S.R.8 W.U.S.B.& M.

CHAINS

- Set a sandstone 18x12x6 ins. 12 ins. in the ground for  $\frac{1}{4}$  sec. cor., mkd.  $\frac{1}{4}$  on N. face, and raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high N. of cor.
- 40.50 Dry run 20 ft. deep, 30 lks. wide, course NE.
- 49.50 Ravine 150 ft. deep, course NE.
- Ascend.
- 80.06 The cor. of secs. 9-10-15 and 16
- Land mountainous and rolling.
- Soil loam and stony; 2nd. and 3rd. rate.
- Timber heavy cottonwood, cedar and pinon.
- Mountainous land; heavy timber, and dense undergrowth.
- 80.06 chs.
- 
- H. 0°02'W. bet. secs. 9 and 10
- Desc. over mountainous and rolling land, through dense oak and sage brush.
- 31.00 Mouth of ravine 100 ft. deep, course NE.
- Enter Du Chesne bottom, bears NW. and SE.
- 40.00 Set a cobblestone 18x12x6 ins. 12 ins. in the ground for  $\frac{1}{4}$  sec. cor., mkd.  $\frac{1}{4}$  on W. face, and raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.
- 67.00 Enter heavy cottonwood timber, dense willow and rose brush, bear NW. and SW..
- 75.00 Leave timber.
- 79.75 Old river bed and slough, bears NW., and SW.
- 80.00 Set a cobblestone 20x12x10 ins. 14 ins. in the ground cor. of secs. 3-4-9 and 10, mkd. 3 notches on E., and 5 notches on S. edge, and raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.
- Land mountainous, and rolling bottom.
- Soil loam and stony; 1st. and 3rd. rate.
- Timber heavy cottonwood.
- Mountainous land; heavy timber, and dense undergrowth.
- 80.00 chs.
-

SUBDIVISION OF T.1 S.R.8 W.U.S.B.& M.

CHAINS	
	N. 89°59' E. on a random line, bet. secs. 3 and 10
40.00	Set temp' $\frac{1}{4}$ sec. cor.
80.08	Intersect N. and S. line 5 lks. N. of the cor. of secs. 2-3-10 and 11
	Thence I run,
	N. 89°59' W. on a true line, bet. secs. 3 and 10
	Desc. over mountainous land, through heavy pine, and ceda timber.
37.00	Ravine 100 ft. deep, course SE.
	Timber scattering.
40.04	Set a sandstone 15x10x8 ins. 10 ins. in the ground for $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on W. face; from which
	A pine 10 ins. diam. bears N. 1°W. 46 lks. dist.
	mkd. $\frac{1}{4}$ S 3 B T.
	No other trees within limit.
	Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.
46.00	Spur ridge bears NW. and SE.
	Enter heavy cedar and pinon timber, bears NW. and SE.
	Descend.
73.00	Wagon road bears NW. and SE.
	Leave timber, bears NW. and SE.
77.00	Du Chesne River 70 lks. wide, course SE.
	Enter dense willows and rose brush.
80.08	The cor. of secs. 3-4-9 and 10
	Land mountainous.
	Soil loam and stony; 1st. and 3rd. rate.
	Timber heavy and scattering cedar and pinon.
	Mountainous land; heavy timber, and dense undergrowth.
	80.08 chs.

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Nov. 20: At the noon hour the sky overcast; solar obser-  
vation impossible.

SUBDIVISION OF T.1 S.R.8 W.U.S.B.& M.

CHAINS

- N. 0°02'W. bet. secs. 3 and 4  
 Desc. over rolling bottom, through dense willows and rose brush.
- 6.50 Du Chesne River 70 lks. wide, course SE.
- 9.50 Leave willows, and bottom. Road N.W and S.E.  
 Ascend over mountainous land.
- 10.00 Enter heavy cedar and pinon timber, bears NW. and SE.
- 40.00 Set a sandstone 16x13x6 ins. 11 ins. in the ground for  $\frac{1}{4}$  sec. cor., mkd.,  $\frac{1}{4}$  on W. face; from which  
 A cedar 5 ins. diam. bears S. 40°E. 45 lks. dist.  
 mkd.  $\frac{1}{4}$  S 3 B.T.  
 A cedar 6 ins. diam. bears N. 54°W. 91 lks. dist.  
 mkd.  $\frac{1}{4}$  S 4 B.T.
- 67.50 Ridge bears NE. and SW.  
 Descend.
- 81.50 Dry wash, in ravine 300 ft. deep, course SW.  
 Ascend broken sandstone ledges, bear NE. and SW.
- 90.18 Intersect Uintah Special Base 15.38 chs. W. of St.  $\frac{1}{2}$  sec. cor. of sec. 34; which is a sandstone 14x10x6 ins. above ground, firmly set, marked and witnessed as described under contract No. 275 Washington Jenkins. D.S.  
 Set a sandstone 18x14x4 ins. 12 ins. in the ground for closing corner of secs. 3 and 4, mkd. C C on S., 3 grooves on E. and W. faces, and raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high S. of cor.  
 Land mountainous and rolling.  
 Soil loam and stony; 2nd. and 3rd. rate.  
 Timber heavy cedar and pinon.  
 Mountainous land; heavy timber, and dense undergrowth.  
 90.18 chs.

November 20, 1903.

## SUBDIVISION OF T.1 S.R.8 W.U.S.R.&amp;M.

## CHAINS

November 21, 1903, at .8h<sup>1</sup> a.m. l.m.t. I set off  $40^{\circ}21'N.$  on lat arc;  $19^{\circ}41'S.$  on decl. arc, and determine a true meridian with the solar, at the cor. of secs. 4-5-32 and 33, on the S. bdy. of Tp. 1 S.R.8 W., previously described,

Thence I run,

N.  $0^{\circ}03'W.$  bet. secs. 32 and 33

Desc. over mountainous land, through heavy aspen and fallen timber.

2.00 Ravine 100 ft. deep, course SW.

Ascend.

12.00 Leave aspen, bear NE and SW.

24.00 Spur projects SW.

Descend.

34.00 Leave fallen timber, bears NE. and SW.

36.50 Ravine 150 ft. deep, course SW.

Ascend.

37.00 Enter heavy aspen and pines, bear NE. and SW.

40.00 A balsam tree 5 ins. diam. for  $\frac{1}{4}$  sec. cor., mkd. 53 on E., and  $\frac{1}{4}$  S 32 on W. face; from which

An aspen 10 ins. diam. bears N.  $60^{\circ}E.$  8 lks. dist.

Mkd.  $\frac{1}{4}$  S 33 B T.

A balsam 6 ins. diam. bears W. 44 lks. dist.

Mkd.  $\frac{1}{4}$  S 32 B T.

80.00 Set a cobblestone 14x8x6 ins. 10 ins. in the ground for cor. of secs. 28-29-32 and 33, mkd. 4 notches on E., and 1 notch on S. edge; from which

An aspen 4 ins. diam. bears N.  $17^{\circ}E.$  31 lks. dist.

Mkd. T 1 S R 8 W S 28 B T.

An aspen 10 ins. diam. bears S.  $16\frac{1}{2}^{\circ}E.$  37 lks. dist.

Mkd. T 1 S R 8 W S 33 B T.

A balsam 10 ins. diam. bears S.  $23\frac{1}{2}^{\circ}W.$  24 lks. dist.

Mkd. T 1 S R 8 W S 32 B T.

An aspen 6 ins. diam. bears N.  $63^{\circ}W.$  32 lks. dist.

Mkd. T 1 S R 8 W S 29 B T.

## SUBDIVISION OF T.1 S.R.8 W.U.S.B.&amp; M.

CHAINS	<p>Land mountainous.</p> <p>Soil loam and stony; 2nd. and 4th. rate.</p> <p>Timber heavy aspen and pine.</p> <p>Mountainous land; heavy and fallen timber. 80.00 chs.</p> <hr/>
40.00	<p>S. <math>89^{\circ}54' E.</math> on a random line, bet. secs. 28 and 33</p> <p>Set temp. <math>\frac{1}{2}</math> sec. cor.</p>
79.88	<p>Intersect N. and S. line 7 lbs. S. of the cor. of secs.</p> <p>27-28-33 and 34,</p> <p>Thence I run,</p> <p>N. <math>89^{\circ}57' W.</math> on a true line, bet. secs. 28 and 33</p> <p>Desc. over mountainous land, through heavy pine timber.</p>
15.00	<p>Ravine 300 ft. deep, course SE., timber burnt and fallen.</p> <p>Ascend.</p>
39.94	<p>Set a sandstone 18x12x4 ins. 12 ins. in the ground for</p> <p><math>\frac{1}{2}</math> sec. cor., mkd. <math>\frac{1}{2}</math> on N. face, and raise a mound of</p> <p>stone 2 ft. base, <math>1\frac{1}{2}</math> ft. high N. of cor.</p>
60.60	<p>Ridge bears NW. and SE.</p> <p>Enter heavy aspen and pine.</p>
79.82	<p>The cor. of secs. 28-29-32 and 33</p> <p>Land mountainous.</p> <p>Soil stony; 3rd. rate.</p> <p>Timber heavy aspen and pine.</p> <p>Mountainous land; heavy and fallen timber. 79.88 chs.</p> <hr/>
14.00	<p>N. <math>0^{\circ}03' W.</math> bet. secs. 28 and 29</p> <p>Asc. over mountainous land, through heavy fallen timber.</p> <p>Ridge bears NW. and SE.</p> <p>Descend.</p>
27.00	<p>Ravine 150 ft. deep, course SE. Ascend.</p> <p>Leave timber, bears NW. and SE.</p>
40.00	<p>Set a cobblestone 15x10x8 ins. 10 ins. in the ground for</p> <p><math>\frac{1}{2}</math> sec. cor., mkd. <math>\frac{1}{4}</math> on N. face, and raise a mound of</p>

SUBDIVISION OF T.1 S.R.8 W.U.S.B.& M.

- CHAINS      stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.
- 62.00      Ridge and enter heavy pines, bear NW. and SE.  
Descend.
- 80.00      Set a sandstone 12x9x8 ins. 8 ins. in the ground for  
cor. of secs. 20-21-28 and 29, mkd. 4 notches on E., and  
2 notches on S. edge; from which  
A pine 12 ins. diam. bears N.  $72^{\circ}$ E. 6 lks. dist.  
mkd. T 1 S R 8 W S 21 B T.  
A pine 14 ins. diam. bears S.  $51^{\circ}$ E. 49 lks. dist.  
mkd. T 1 S R 8 W S 28 B T.  
A pine 8 ins. diam. bears S.  $40^{\circ}$ W. 22 lks. dist.  
mkd. T 1 S R 8 W S 29 B T.  
A pine 30 ins. diam. bears N.  $20^{\circ}$ W. 18 lks. dist.  
mkd. T 1 S R 8 W S 20 B T.  
Land mountainous.  
Soil stony; 3rd. rate.  
Timber heavy pines.  
Mountainous land; heavy and fallen timber, 80.00 chs.  
November 21, 1903, at this cor. I set off  $19^{\circ}46' S.$  on  
decl. arc, and 11h.  $46m. 8.1m.t.$  observe the sun on the  
meridian; the resulting lat. is  $40^{\circ}23' N.$
- 
- 34.00      S.  $89^{\circ}57' E.$  on a random line, bet. secs. 21 and 28.  
Set temp. witness cor. to  $\frac{1}{4}$  sec. cor.
- 80.06      Intersect N. and S. line 3 lks. N. of the cor. of secs.  
21-22-27 and 28,  
Thence I run,  
N.  $89^{\circ}56' W.$  on a true line, bet. secs. 21 and 28  
Asc. over mountainous land, through dense oak and squaw  
brush.
- 5.00      Spur projects N., enter dead and fallen timber, bears N.  
and S.  
Descend.

-33-

SUBDIVISION OF T.1 S.R.8 W.U.S.B.& M.

CHAINS

- 27.00 Ravine 200 ft. deep, course N.  
Ascend.
- 40.03 The point for  $\frac{1}{4}$  sec. cor., falls on steep slope, subject to slides.
- 46.00 Set a sandstone 15x12x6 ins. 10 ins. in the ground for witness cor. to  $\frac{1}{4}$  sec. cor., mkd. W C  $\frac{1}{2}$  on N. face, and raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high N. of cor. On spur ridge, bears N. and S.  
Descend.
- 66.50 Ravine 200 ft. deep, course N.  
Ascend.
- 80.06 The cor. of secs. 20-21-28 and 29  
Land mountainous.  
Soil stony; 4th. rate.  
Timber heavy pines.  
Mountainous land; heavy undergrowth and fallen timber  
80.06 chs.
- N. 0°03'W. bet. secs. 20 and 21  
Desc. over mountainous. land, through heavy pine timber.
- 6.00 Ravine 500 ft. deep, course NE., timber dead and fallen.
- 35.00 Ridge bears NE. and SW.  
Descend.
- 40.00 Set a sandstone 15x12x5 ins. 10 ins. in the ground for  $\frac{1}{4}$  sec. cor., mkd.  $\frac{1}{4}$  on W. face, and raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.
- 65.00 Leave dead timber, bear NE. and SW.  
Enter dense oak and squaw brush.
- 80.00 Set a cobblestone 15x12x10 ins. 10 ins. in the ground for cor. of secs. 16-17-20 and 21, mkd. 4 notches on E. and 3 notches on S. edge, and raise a mound of stone 2ft.. base,  $1\frac{1}{2}$  ft. high W. of cor.  
1000 ft. below ridge.  
Land mountainous.  
Spil stony; 3rd. and 4th. rate.

SUBDIVISION OF T.1 S.R.8 W.U.S.B.&M

CHAINS

Timber heavy pine.

Mountainous land; heavy and fallen timber, and dense undergrowth. 80.00 chs.

40.00

S.  $89^{\circ}56' E.$  on a random line, bet. secs. 16 and 21 set temp.  $\frac{1}{4}$  sec. cor.

80.04

Intersect N. and S. line 5 lks. S. of the cor. of secs. 15-16-21 and 22,

Thence I run,

N.  $89^{\circ}58' W.$  on a true line, bet. secs. 16 and 21 Asc. over mountainous land, through dense oak, sage and squaw brush.

27.00

Knoll on ridge bears N. and S.

Descend.

33.00

Enter heavy aspen timber, bears N. and S.

36.00

Leave timber, bears N. and S.

40.02

Set a sandstone 15x10x6 ins. 10 ins. in the ground for  $\frac{1}{4}$  sec. cor., mkd.  $\frac{1}{4}$  on N. face, and raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high N. of cor.

80.04

The cor. of secs. 16-17-20 and 21

Land mountainous.

Soil stony; 3rd. rate.

No timber.

Mountainous land, and dense undergrowth. 80.04 chs.

November 21, 1903

November 22, 1903, at 3h. a.m. l.m.t. I set off  $40^{\circ}23\frac{1}{2}' N.$  on lat. arc;  $19^{\circ}55' S.$  on decl. arc, and determine a true meridian with the solar, at the cor. of secs. 16-17-20 and 21,

Thence I run,

N.  $0^{\circ}03' W.$ , bet. secs. 16 and 17

Desc. over mountainous land, through dense oak, service

SUBDIVISION OF T.1 S.R.8 W.U.S.B.& M.

CHAINS

and sage brush.

8.00 Dry run, course NE.

Ascend.

38.00 Ridge bears NE. and SW.

Descend,

40.00 Set a sandstone 20x17x3 ins. 15 ins. in the ground for  $\frac{1}{4}$  sec. cor., mkd.  $\frac{1}{4}$  on W. face; from which.

A boulder 12x10x6 ft. bears N.  $58^{\circ}E$ . 48 lks. dist.

mkd.  $\frac{1}{4}$  S 16 B 0. with a cross.

A boulder 10x10x9 ft. bears S.  $2^{\circ}W$ . 49 lks. dist.

mkd.  $\frac{1}{4}$  S 17 B 0. with a cross.

68.00 Ravine 40 ft. deep, course NE.

Ascend.

80.00 Set a cobblestone 15x14x6 ins. 10 ins. in the ground for cor. of secs. 8-9-16 and 17, mkd. 4 notches on E. and S. edges, and raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.

300 ft. descent in the mile.

Land mountainous.

Soil stony; 3rd. and 4th. rate.

No timber.

Mountainous land, and dense undergrowth. 80.00 chs.

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S.  $89^{\circ}58'E$ . on a random line, bet. secs. 9 and 16

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

80.10 Intersect N. and S. line 3 lks. S. of the cor. of secs. 9-10-15 and 16 . . .

Thence I run,

/ N.  $89^{\circ}59'W$ . on a true line, bet. secs. 9 and 16

Desc. over mountainous land, through dense oak, sage and squaw brush.

14.00 Ravine 100ft. deep, course NE.

Ascend.

. . . SUBDIVISION OF T.1 S.R.8 W.U.S.B.& M.

CHAINS

- 30.00 Spur projects NE.  
Descend.  
40.05 Set a cobblestone 16x12x7 ins. 11 ins. in the ground for  
 $\frac{1}{2}$  sec. cor., mka.  $\frac{1}{4}$  on N. face, and raise a mound of  
stone 2 ft. base,  $1\frac{1}{2}$  ft. high N. of cor.  
53.00 Ravine 200 ft. deep, course NE.  
Ascend.  
20.10 The cor. of secn. 8-9-16 and 17  
Land mountainous.  
Soil loam and stony; 2nd. and 3rd. rate.  
No timber.  
Mountainous land, and dense undergrowth. 20.10 chs.
- 

N. 0°03'W. bet. secn. 8 and 9

Asc. over mountainous land, through dense oak, sage and  
squaw brush.

- 18.00 Spur projects E.  
Descend.  
27.00 Hollow, course NE.  
Ascend.  
32.00 Spur projects NE.  
Descend.  
37.00 Dry run, in hollow, course NE.  
Ascend.  
40.00 Set a cobblestone 18x10x5 ins. 12 ins. in the ground for  
 $\frac{1}{2}$  sec. cor., mka.  $\frac{1}{4}$  on W. face, and raise a mound of  
stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.  
43.00 Spur projects NE.  
Descend.  
46.00 Hollow, course NE.  
Ascend.  
46.30 Ridge bears NE. and SW.  
Descend.

SUBDIVISION OF T.1 S.R.8 W.U.S.B.& N.

CHAINS 80.00	Set a cobblestone 15x11x6 ins. 10 ins. in the ground for cor. of secs. 4-5-8 and 9, mkd, 4 notches on E. and 5 notches on S. edge, and raise a mound of stone 2 ft. base, 1½ ft. high. W. of cor.  Land mountainous.  Soil stony; 3rd. and 4th. rate.  No timber.  Mountainous land, and dense undergrowth. 80.00 cha. November 22, 1903, at this cor. I set off 19°59'S. on decl. arc., and observe the sun on the meridian at 11 h. 48 m.m.l.m.t.; the resulting lat. is 40°25'N.
40.00	S. 89°59'W. on a random line, bet. secs. 4 and 9 Set temp. $\frac{1}{4}$ sec. cor.
80.12	Intersect N. and S. line, 14 lks. S. of the cor. of secs. 5-4-9 and 10,  Thence I run,
	S. 89°55'W. on a true line, bet. secs. 4 and 9 Asc. over rolling bottom, through dense willow, rose brush, and scattering cottonwood timber.
22.00	Leave bottom and willows, enter dense sage brush, bear NW. and SW.  Ascend.
30.00	Spur projects NE.  Descend.
36.00	Ravine 100 ft. deep, course NE.  Enter scattering cedar and pinon timber, bears NE. and SW Ascend.
40.00	Set a sandstone 20x14x10 ins. 15 ins. in the ground for $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on N. face; from which  A cedar 24 ins. diam. bears S. 5°W. 54 lks. dist. mkd. $\frac{1}{4}$ S 9. B T.  A pinon 8 ins. diam. bears N. 89°W. 85 lks. dist. mkd. $\frac{1}{4}$ S 4 B T.
74.00	Ridge bears NE. and SW.

## SUBDIVISION OF T.1 S.R.8 W.U.S.B.&amp; M.

CHAINS	
	Leave timber, bear NE. and SW.
	Descend.
80.12	The cor. of secs. 4-5-8 and 9 Land Mountainous and rolling. Soil loam and stony; 1st. and 3rd. rate. Timber scattering cedar, cottonwood and pinon. Mountainous land, and dense undergrowth. 80.12 chs.
	N. 0°03'W. bet. secs. 4 and 5
	Desc. over mountainous land, through dense sage and oak brush.
7.00	Ravine 100 ft. deep, course NE. Ascend.
9.50	Spur projects SE. Descend.
11.50	Ravine 200 ft. deep, course NE. Ascend.
21.00	Spur projects E.. Descend.
40.00	Set a sandstone 20x12x5 ins. 15 ins. in the ground for $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on W. face, and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
44.00	Mouth of Sand Creek 5 lks. wide, in ravine, course E. Ascend.
50.00	Spur projects SE. Descend.
70.00	DuChesne River 50 lks. wide, course SE.; ascend.
90.15	Intersect Uintah Special Base line 15.10 chs. W. of the standard $\frac{1}{4}$ sec. cor. sec. 33, which is a trachyte stone 11x8 x5 ins. above ground, firmly set and marked and witnessed by as described by Deputy Washington Jenkins, Contract No. 27. Set a sandstone 18x7x5 ins. 12 ins. in the ground for closing cor. of secs. 4 and 5, mkd. C C on S., 4 grooves on E., and 2 grooves on W. face, and raise a mound of stone 2 ft

SURDIVISION OF T.1 S.R.8 W.U.S.B.& M.

CHAINS

base,  $1\frac{1}{2}$  ft. high S. of cor.

Land mountainous and rolling.

Soil loam and stony; 2nd. and 3rd. rate. No timber.

Mountainous land and dense undergrowth. 90.15 chs.

November 22, 1903.

November 23, 1903, at 8h. a.m. l.m.t. I set off  $40^{\circ}21'N.$  on lat. arc;  $20^{\circ}07\frac{1}{2}'S.$  on decl. arc, and determine a true meridian with the solar; at the cor. of secn. 5-6-31 and 32, on S. bdy. of Tp. 1S.R.8 W., previously described. Thence I run,

N. $0^{\circ}04'W.$  bet. secn. 31 and 32.

Asc. over mountainous land, through scattering aspen timber.

14.00 Enter heavy aspen and pine timber, bears E. and W.

40.00 Set a cobblestone  $14 \times 10 \times 6$  ins. 10 ins. in the ground for  $\frac{1}{4}$  sec. cor., mkd.  $\frac{1}{4}$  on W. face; from which  
An aspen 3 ins. diam. bears NE. 30 lks. dist.  
mkd.  $\frac{1}{4}$  S 32 B T.,  
An aspen 4 ins. diam. bears S.  $20^{\circ}W.$  20 lks. dist.  
mkd.  $\frac{1}{4}$  S 31 B T.

80.00 Set a cobblestone  $16 \times 12 \times 8$  ins. 11 ins. in the ground for cor. of secn. 29-30-31 and 32, mkd. 5 notches on E. and 1 notch on S. edge; from which

A balsam 10 ins. diam. bears N.  $35^{\circ}E.$  41 lks. dist.  
mkd. T 1 S R 8 W S 29 B T.

A pine 11 ins. diam. bears SE. 14 lks. dist.  
mkd. T 1 S R 8 W S 32 B T.

A pine 10 ins. diam. bears S.  $59^{\circ}W.$  64 lks. dist.  
mkd. T 1 S R 8 W S 31 B T.

A pine 16 ins. diam. bears N.  $30^{\circ}W.$  27 lks. dist.  
mkd. T 1 S R 8 W S 30 B T.

Land mountainous.

SUBDIVISION OF T.1 S.R.8 W.U.S.B.& M.

CHAINS

Soil stony; 3rd. rate.

Timber heavy aspen and pines.

✓ Mountainous land, and heavy timber. 80.00 chs.

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S.  $89^{\circ}54' E.$  on a random line, bet. secs. 29 and 32

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

80.02 Intersect N. and S. line. 3 lks. S. of the cor. of secs.

28-29-32 and 33

Thence I run,

✓ N.  $89^{\circ}55' W.$  on a true line, bet. secs. 29 and 32

Desc. over mountainous land, through scattering aspen, and pine timber, and dense squaw brush.

10.00 Enter heavy burnt and fallen timber.

15.00 Timber scattering pine.

22.00 Enter heavy pines, bear N. and S.

40.01 Set a cobblestone 12x10x5 ins. 8 ins. in the ground for  $\frac{1}{4}$  sec. cor., mkd.  $\frac{1}{4}$  on N. face; from which

A pine 24 ins. diam. bears N.  $73^{\circ} E.$  35 lks. dist.

mkd.  $\frac{1}{4}$  S 29 B T.

A pine 18 ins. diam. bears S.  $15\frac{1}{2}^{\circ} E.$  16 lks. dist.

mkd.  $\frac{1}{4}$  S 32 B T.

80.02 The cor. of secs. 29-30-31 and 32 in the NW. 1/4. Land mountainous.

Soil stony; 3rd. rate.

Timber heavy and scattering aspen and pine.

✓ Mountainous land; heavy timber and dense undergrowth.

80.02 chs.

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N.  $89^{\circ}54' W.$  on a random line, bet. secs. 30 and 31

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

77.80 Intersect 2d Guide Mer. W. 7 lks. N. of the cor. of secs. 25-30-31 and 36, previously described.

Thence I run,

✓ S.  $89^{\circ}57' E.$  on a true line, bet. secs. 31 and 32

## SUBDIVISION OF T.I.S.R.8 W.U.S.B.&amp; M.

CHAINS	Asc. over mountainous land, through scattering aspen timber, and dense sage and squaw brush.
6.90	Sharp ridge, bears N. and S. 500 ft. above sec. cor.
13.00	Ravine 400 ft. deep, course S. Ascend.
37.80	Set a cobblestone 13x8x6 ins. 9 ins. in the ground for $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on N. face; from which An aspen 4 ins. diam. bears N. $48^{\circ}$ E. 68 lks. dist. mkd. $\frac{1}{4}$ S 30 B T. An aspen 5 ins. diam. bears S. $87^{\circ}$ E. 72 lks. dist. mkd. $\frac{1}{4}$ S 31 B T.
38.50	Enter heavy aspen, bear N. and S.
56.00	Leave timber, bears N. and S.
73.00	Ridge bears N.. and SW. Enter heavy pine, bear N. and S..
77.80	The cor. of secs. 29-30-31 and 32. Land mountainous. Soil stony; 3rd. rate. Timber heavy aspen and pine. Mountainous land; heavy timber, and dense undergrowth. 77.30 chs. November 23, 1903, at this cor. I set off $20^{\circ} 12' S.$ on deci. arc, and 11h. 46m. a.m. l.m.t. observe the sun on the meridian; the resulting lat. is $40^{\circ} 22' N.$
30.00	<hr/> N. $0^{\circ} 04' W.$ bet. secs. 29 and 30 Asc. over mountainous land, through heavy pine timber. Ridge bears NE. and SW. Enter scattering aspen. Descend.
40.00	Set a sandstone 16x9x4 ins. 11 ins. in the ground for $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on W. face; from which A pine 10 ins. diam. bears S. $30^{\circ}$ E. 11 lks. dist. mkd. $\frac{1}{4}$ S 29 B T.

SUBDIVISION OF T.1 S.R.8 W.U.S.B.& M.

CHAINS

An aspen 12 ins. diam. bears S.  $80^{\circ}$ W. 12 lks. dist.

mkd.  $\frac{1}{4}$  S 30 B T.

57.00 Ravine 200 ft. deep, course SW.

Ascend.

71.00 Leave timber, bears NE. and SW.

78.50 Ridge bears E. and W.

Descend.

80.00 Set a cobblestone 15x8x6 ins. 10 ins. in the ground for cor. of secs. 19-20-29 and 30, mkd. 5 notches on E. and 2 notches on S. edge; from which

A pine 5 ins. diam. bears N.  $82^{\circ}$ E. 43 lks. dist.

mkd. T 1 S R 8 W S 20 B T.

No other trees within limit.

Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.

Land mountainous.

Soil stony; 3rd. rate.

Timber; heavy and scattering aspen and pine.

Mountainous land; heavy timber, 80.00 chs.

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S..  $89^{\circ} 55'$ E. on a random line, bet., secs. 20 and 29

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

80.08 Intersect N. and S. line 7 lks. N. of the cor. of secs. 20-21-28 and 29

Thence I run,

N.  $89^{\circ} 52'$ W. on a true line, bet. secs. 20 and 29

Asc. over mountainous land, through heavy pine timber.

1.50 pines scattering and fallen.

11.00 Ridge bears NW. and SE.

31.00 Ravine 100 ft. deep bears NW.

Ascend.

40.04 Set a sandstone 15x9x8 ins. 10 ins. in the ground for  $\frac{1}{4}$  sec. cor., mkd.  $\frac{1}{4}$  on N. face; from which

SUBDIVISION OF T.1 S.R.8 W.U.S.B.& M.

CHAINS

- A pine 10 ins. diam. bears N.  $30^{\circ}$ E. 13 lks. dist.  
mkd.  $\frac{1}{4}$  S 20 B T.
- A pine 5 ins. diam. bears S.  $2^{\circ}$ E. 4 lks. dist.  
mkd  $\frac{1}{4}$  S 29 B T.
- 45.00 Spur projects N.  
Descend.
- 65.00 Ravine 100 ft. deep, course NW.  
Ascend.
- 80.08 The cor. of secs. 19-20-29 and 30  
Land mountainous.  
Soil stony; 3rd. and 4th. rate.  
Timber heavy, scattering and fallen pine and aspen.  
Mountainous land; heavy timber. 80.08 chs.
- 
- H.  $89^{\circ}57'$ W. on a random line, bet. secs. 19 and 30  
40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 77.71 Intersect Rd Guide Mer. W. 16 lks. S. of the cor. of secs.  
19-24-25 and 30, previously described.  
Thence I run,  
S.  $89^{\circ}50'$ E. on a true line, bet. secs. 19 and 30.  
Asc. over mountainous land, through dense squaw brush.  
30.00 Enter heavy aspen timber; bears N. and S.  
35.50 Leave timber, bears NE. and SW.  
37.71 Set a cobblestone 15x10x8 ins. 10 ins. in the ground for  
 $\frac{1}{4}$  sec. cor., mkd.  $\frac{1}{4}$  on N. face; from which  
An aspen 10 ins. diam. N.  $88\frac{1}{2}$ E. 231 lks. dist.  
mkd.  $\frac{1}{4}$  S 19 B T.  
An aspen 6 ins. diam. bears S.  $83^{\circ}$ W. 247 lks. dist.  
mkd.  $\frac{1}{4}$  S 30 B T.
- 41.70 Enter heavy pine and aspen timber.  
67.70 Ridge bears NW. and SE.  
Leave timber, bears NW. and SE.  
Descend.
- 77.71 The cor. of secs. 19-20-29 and 30

SUBDIVISION OF T.1 S.R.8 W.U.S.B.& M.

CHAINS

Land mountainous,  
Soil stony; 3rd. and 4th. rate.  
Timber heavy aspen and pine.  
Mountainous land; heavy timber, and dense undergrowth.  
77.71 chs.

November 23, 1903.

November 24, 1903, at 8h. a.m.. l.m.t. I set off  $40^{\circ}23'N.$   
on lat. arc;  $20^{\circ}19'S.$  on decl. arc, and determine a true  
meridian with the solar, at the cor., of secs. 19-20-29  
and 30,

Thence I run,

N.  $0^{\circ}04'W.$  bet. secs. 19 and 20

Desc. over mountainous land, through dense squaw brush.

- 2.00 Enter heavy pine, and fallen timber.
- 23.00 Ravine 100 ft. deep, course NE., leave timber, bear NE., SW.
- Ascend.
- 28.00 Spur projects NE.
- Descend.
- 32.00 Enter heavy pine, bear NE. and SW.
- 40.00 Set a sandstone  $20x8x5$  ins. 15 ins. in the ground for  
 $\frac{1}{2}$  sec. cor., mkd.  $\frac{1}{4}$  on W. face; from which  
A pine 20 ins. diam. bears S.  $75^{\circ}E.$  10 lbs. dist.  
mkd.  $\frac{1}{4}$  S 20 R T.  
A pine 11 ins. diam. bears N.  $78^{\circ}W.$  46 lbs. dist.  
mkd.  $\frac{1}{4}$  S 19 R T..
- 44.00 Ravine 100 ft. deep, course NE.
- Ascend.
- 46.50 Spur projects NE.
- Descend.
- 47.50 Ravine 100 ft. deep, course NE.
- Ascend.
- 50.50 Spur projects NE., pines scattering, and dense squaw brush.

SUBDIVISION OF T.1 S.R.8 W.U.S.B.& M.

CHAINS

60.00

Leave pines, enter dense young aspen and fallen timber,  
bear NE. and SW.

80.00

Set a sandstone 20x18x7 ins. 15 ins. in the ground for  
cor. of secs. 17-18-19 and 20, mkd. 5 notches on E., and  
3 notches on S. edge; from which

A dead pine 10 ins. diam. bears N. 52°E. 43 lks. dist.  
mkd. T 1 S R 8 W S 17 B T.

An aspen 3 ins. diam. bears S. 60°E. 51 lks. dist.  
mkd. T 1 S R 8 W S 20 B T.

A dead pine 10 ins. diam. bears S. 61°W. 25 lks. dist.  
mkd. T 1 S R 8 W S 19 B T.

A dead pine 9 ins. diam. bears N. 56°W. 30 lks. dist.  
mkd. T 1 S R 8 W S 18 B T.

Land mountainous.

Soil stony; 3rd. and 4th. rate.

Timber heavy aspen and pine.

Mountainous land; heavy and fallen timber, and dense  
undergrowth. 80.00 chs.

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S. 89°52' E. on a random line, bet. secs. 17 and 20

40.00

Set temp.  $\frac{1}{4}$  sec. cor.

80.02

Intersect N. and S. line 7 lks. S. of the cor. of secs.  
16-17-20 and 21,

Thence I run,

/ N. 89°55' W. on a true line, bet. secs. 17 and 20  
Desc. over mountainous land, through dense oak and squaw  
brush.

7.00

Ravine 200 ft. deep, course NE.

Ascend.

19.00

Ridge bears NE. and SW.

Descend.

40.04

Set a cobblestone 18x10x6 ins. 12 ins. in the ground for  
 $\frac{1}{4}$  sec. cor., mkd.  $\frac{1}{4}$  on N. face, and raise a mound of  
stone 2 ft. base,  $1\frac{1}{2}$  ft. high N. of cor.

44.00

Ravine 150 ft. deep, course NE.

SUBDIVISION OF T.1 S.R.8 W.U.S.B.& M.

CHAINS

60.00 Flat spur projects NE.  
Descend.  
80.08 The cor. of secs. 17-18-19 and 20  
Land mountainous.  
Soil stony; 3rd. and 4th. rate.  
No timber..  
Mountainous land, and dense undergrowth. 80.08 chs.

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W.  $89^{\circ}50'W.$  on a random line, bet. secs. 18 and 19

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

77.55 Intersect 2d Guide Mer. W. 3 lks. S. of the cor. of secs. 13-18-19 and 24, previously described.

Thence I run,

J S.  $89^{\circ}49'E.$  on a true line, bet. secs. 18 and 19  
Desc. over mountainous land, through heavy pine and aspen  
timber.

5.00 Ravine 100 ft. deep, course N.

Ascend.

9.00 Spur projects N.

Leave timber, enter dense oak and sage brush, bears N.  
and S.

Descend.

15.00 Head of hollow, course N.

Ascend.

22.00 Ridge bears N. and S.

Descend.

37.55 Set a cobblestone 15x12x8 ins. 10 ins. in the ground for  
 $\frac{1}{2}$  sec. cor., mkd.  $\frac{1}{2}$  on N. face, and raise a mound of  
stone 2 ft. base,  $1\frac{1}{2}$  ft. high N. of cor.

45.00 Ravine 250 ft. deep, course N.

Ascend.

60.00 Ridge bears N.  $15^{\circ}E.$  and S.  $15^{\circ}W.$

Descend.

73.00 Ravine 200 ft. deep, course NE.

SUBDIVISION OF T.1 S.R.8 W.U.S.B.& H.

CHAINS

Enter heavy pines, bear NE. and SW.

Ascend.

77.55 The cor. of secs. 17-18-19 and 20

Land mountainous.

Soil stony; 3rd. rate.

Timber heavy pines and aspen.

Mountainous land; heavy timber, and dense undergrowth.

77.55 chs.

November 24, 1903, at this cor. I set off  $20^{\circ}24' S.$  on decl. arc, and 11h.46m. a.m. l.m.t. observe the sun on the meridian; the resulting lat, is  $40^{\circ}23\frac{1}{2}' N.$

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N.  $0^{\circ}04' W.$  bet. secs. 17 and 18

Desc. over mountainous land, through heavy aspen and fallen timber.

5.00 Ravine 300 ft. deep, course NE.

Leave timber, bears NE. and SW.

Enter dense sage and squaw brush. Ascend.

32.00 Ridge bears NE. and SW.

Descend.

40.00 Set a sandstone 15x12x6 ins. 10 ins. in the ground for  $\frac{1}{2}$  sec. cor., mkd.  $\frac{1}{4}$  on W. face, and raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.

72.00 Ravine 200 ft. deep, course NW.

Ascend.

80.00 Set a sandstone 18x12x6 ins. 12 ins. in the ground for cor. of secs. 7-8-17 and 18, mkd. 5 notches on E., and 4 notches on S. edge, and raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.

Land mountainous.

Soil stony; 3rd. rate.

Timber heavy aspen.

Mountainous land; heavy timber, and dense undergrowth.

80.00 chs.

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SUBDIVISION OF T.D S.R.S W.U.S.B.& M.

CHAINS

S.  $89^{\circ}55' E.$  on a random line, bet. secs. 8 and 17  
40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
79.85 Intersect N. and S. line 3 lks. S. of the cor. of secs.  
8-9-16 and 17  
Thence I run,  
↓ N.  $89^{\circ}56' W.$  on a true line, bet. secs. 8 and 17  
Asc. over mountainous land, through dense oak, sage and  
squaw brush.  
20.00 Spur projects SE.  
Descend.  
31.00 Ravine 100 ft. deep, course SE., and spring 2 chs. S. of  
line.  
Ascend.  
39.92 $\frac{1}{2}$  Set a sandstone 18x12x4 ins. 12 ins. in the ground for  
 $\frac{1}{4}$  sec. cor., mkd.  $\frac{1}{4}$  on N. face, and raise a mound of  
stone 2 ft. base,  $1\frac{1}{2}$  ft. high N. of cor.  
50.00 Ridge bears NE. and SW.  
Descend.  
79.85 The cor. of secs. 7-8-17 and 18  
Land mountainous.  
Soil stony; 3rd. and 4th. rate.  
No timber.  
Mountainous land, and dense undergrowth. 79.85 chs.

N.  $89^{\circ}49' W.$  on a random line, bet. secs. 7 and 18

40.00 Set temp.  $\frac{1}{2}$  sec. cor.  
77.50 Intersect 2d Guide Mer. W. 22 lks. N. of the cor. of secs.  
7-12-13 and 18  
Thence I run,  
↓ S.  $89^{\circ}58' E.$  on a true line, bet. secs. 7 and 18  
Desc. over mountainous land, through dense oak, and squaw  
brush.  
6.00 Enter scattering aspen, bear N. and S.  
10.85 Ravine 200 ft. deep, course N.

SUBDIVISION OF T.1 S.R.8 W.U.S.B.& M.

CHAINS	
	Ascend.
14.00	Ridge bears N. and S.
	Descend.
20.00	Hollow, course N.
	Ascend.
28.00	Spur projects N.
	Descend.
35.75	Ravine 150 ft. deep, course N.
	Ascend.
37.50	Set a sandstone 20x12x6 ins. 15 ins. in the ground for a nec. cor., mkd. $\frac{1}{2}$ on N. face; from which An aspen 3 ins. diam. bears S. $25^{\circ}$ E. 6 lbs. dist. mkd. $\frac{1}{2}$ S 18 E 7. An aspen 3 ins. diam. bears NW. 6 lbs. dist. mkd. $\frac{1}{2}$ S 7 E 7.
44.00	Spur projects N.
	Descend.
50.00	Ravine 150 ft. deep, course N.
	Ascend.
61.40	Spur projects N.
	Descend.
74.00	Ravine 150 ft. deep, course N.
	Leave aspen, bear N. and S.
	Ascend.
77.50	The cor. of secos. 7-8-17 and 18 Land mountainous. Soil stony; 3rd. rate. Timber scattering aspen. Mountainous land, and dense undergrowth. 77.50 chs.

November 24, 1903.

November 25, 1903, at 8h. a.m. A.M.T. I set off  $40^{\circ}24'N.$   
on lat. arc;  $20^{\circ}31'S.$  on decl. arc, and determine a true  
meridian with the solar, at the cor. of secos. 7-8-17  
and 18,  
Thence I run,

SUBDIVISION OF T.1 S.R.8 W.U.S.B.& M.

CHAINS

N. 0°04' W. bet. secs. 7 and 8

Asc. over mountainous land, through dense sage and squaw brush.

28.00 Spur projects W.

Descend.

37.00 Ravine 150 ft. deep, course W.

Ascend.

40.00 Set a sandstone 20x15x8 ins. 15 ins. in the ground for  $\frac{1}{4}$  sec. cor., mkd.  $\frac{1}{4}$  on W. face, and raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.

51.00 Spur projects W.

Descend.

57.00 Hollow, course W.

Ascend..

70.50 Ridge bears N. 15°W. and S. 15°E.

Descend.

80.00 Set a cobblestone 16x12x10 ins. 11 ins. in the ground for cor. of secs. 5-6-7. and 8, mkd. 5 notches on E. and S. edges, and raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.

Land mountainous.

Soil stony; 2nd. and 3rd. rate.

No timber.

Mountainous land, and dense undergrowth. 80.00 chs.

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S. 89°56' E. on a random line, bet. secs. 5 and 8

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

79.95 Intersect N. and S. line 7 lks. S. of the cor. of secs. 5-6-8 and 9,

Thence I run,

N. 89°59' W. on a true line, bet. secs. 5 and 8  
Desc. over mountainous land, through dense oak, sage and squaw brush.

## SUBDIVISION OF T.L.S.R.8 W.U.S.B.&amp; M.

- CHAINS 20.00 Ravine 200 ft. deep, course NE.  
Ascend.  
39.97½ Set a limestone 14x8x5 ins., 10 ins., in the ground for  $\frac{1}{4}$  sec. cor., mkd.  $\frac{1}{4}$  on N. face; dig pits 18x18x12 ins. E. and W. of cor., 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high N. of cor.  
79.95 The cor. of secs. 5-6-7 and 8  
Land mountainous.  
Soil stony; 3rd. rate.  
No timber.  
Mountainous land, and dense undergrowth. 79.95 chs.  

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II.  $89^{\circ}58'W.$  on a random line, bet. secs 6 and 7  
40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
77.41 Intersect Rd Guad Mfr, W.D. 1ks. N. of the cor. of secs. 1-6-7 and 12, previously described.  
Thence I run,  
II.  $89^{\circ}58'E.$  on a true line, bet. secs. 6 and 7  
Becc. over mountainous land, through heavy cedar and pinon timber.  
1.50 Dry wash, course SE.  
Ascend.  
8.00 Spur projects SW.  
Leave timber, enter dense oak and squaw brush, bears NW. and SE.  
Descend.  
12.00 Sand Creek 3 lks. wide, in ravine 600 ft. deep, course NE.  
Ascend.  
37.41 Set a sandstone 14x12x5 ins. 10 ins. in the ground for  $\frac{1}{4}$  sec. cor., mkd.  $\frac{1}{4}$  on N. face, and raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high N. of cor.  
39.00 Ridge bears NE. and SW.  
Descend.

SUBDIVISION OF T.L.S.R.8 W.U.S.B.& M.

- CHAINS
- 43.00 Ravine 300 ft. deep, course NE.  
Ascend.
- 75.00 Ridge bears NE: and SW:  
Descend.
- 77.41 The cor. of secs 5-6-7 and 8  
Land mountainous.  
Soil stony; 3rd. rate.  
Timber heavy cedar and pinon.  
Mountainous land; heavy timber and dense undergrowth.  
77.41 chs.  
November 25, 1903; at this cor. I set off  $20^{\circ}36\frac{1}{2}'$  S. on decl. arc, and 11h. 47m. a.m. l.m.t. observe the sun on the meridian; the resulting lat. is  $40^{\circ}25'$  N.
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- N.  $0^{\circ}04'$  W., bet. secs. 5 and 6.  
Desc. over mountainous land, through dense oak, sage and squaw brush.
- 19.20 Enter heavy cedar and pinon timber.
- 34.00 Ravine 150 ft. deep, course NE.  
Ascend.
- 40.00 Set a sandstone 18x12x6 ins. 12 ins. in the ground for  $\frac{1}{4}$  sec. cor., mkd.  $\frac{1}{4}$  on W. face; from which  
A pine 18 ins. diam. bears S.  $35^{\circ}$  E. 22 lks. dist..  
mkd.  $\frac{1}{4}$  S 5 B T.  
A pine 24 ins. diam. bears N.  $30^{\circ}$  W. 49 lks. dist.  
mkd.  $\frac{1}{4}$  S 6 B T.
- 48.00 Leave cedar and pinon, bear NW. and SE.
- 59.00 Sand Creek 3 lks. wide, in canon 400 ft. deep, course E!  
Ascend.
- 65.00 Begin steep ascent over broken sandstone ledges, enter heavy cedar and pinon, bear E. and W..
- 74.50 Leave timber, bear E. and W.
- 90.10 Intersect Uintah Special Basé. 15 $^{\circ}08'$  chs. W. of St.  $\frac{1}{2}$  sec. cor. of sec. 32, which is a sandstone 5x10x6 ins. above ground firmly set and marked and witnessed as described by Pepp-

SUBDIVISION OF T.L.S.R.8 W.U.S.B.& M.

uty Washington Jenkins under his contract No.275.  
Set a sandstone 15x12x8 ins.10 ins.in the ground for  
closing corner of sec.5 and 6,marked C C on S.,5 grooves  
E.,1 groove on W. face, , and raise a mound of stone 2 ft.  
base,  $1\frac{1}{2}$  ft. high S. of cor.

Land mountainous.

Soil stony; 3rd. and 4th. rate.

Timber heavy cedar and pinon.

Mountainous land; heavy timber, and dense undergrowth.

90.10 chs.

Nov.25,1904.

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General Description.

This township is mostly mountainous with some bottom  
land along the Du Chesne River, which flows through the  
eastern portion.

Tabby,or Blacktail Mt.is in NW $\frac{1}{4}$  of section 29, and  
is par ly covered with pine and aspen timber.

The soil is stony, but grows excellent grasses.  
The land along the Du Chesne is good for agriculture,  
and there is an abundance of water.

The Du Chesne River, is a clear stream from 50 lks.  
to 1 ch. wide, and 2 to 4 ft. deep, during low water sea-  
son. There is a shallow lake in W $\frac{1}{2}$  of sec.29.

John Henry, an Indian is the only settler in the  
township. He has some improvements in NW $\frac{1}{4}$  sec.13, but I  
could not get any information regarding the valuation,  
as the Indian would not talk, and there being other im-  
provements made by the government around him.

There is no mineral in the township.

November 25,1903.

*George C. Brown*  
U.S. Deputy Surveyor

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SUBDIVISION OF T.1 S.R.8 W.U.S.B.& M.

There being no notary public or other officer authorized to administer oaths, within a reasonable distance, at the beginning or ending of this survey, therefore to save time and expense I administer the preliminary and final oaths myself.

*George O'Sullivan*  
U.S. Deputy Surveyor.

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U.S. A. 12

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by George C. Swan,

, United States Deputy Surveyor, to assist in running, measuring, and

marking the lines and corners described in the foregoing field notes of the survey of Subdivisions of  
Tps. 1, 2, 3 & 4 S. R. 87 1/2 of the Uintah Special base Meridian, State of Utah.

showing the respective capacities in which they acted:

Thomas Speis, Chainman.

Alfred J. Peterson, Chainman.

Alpha H. Manning, Moundman.

George Alexander, Moundman.

Paul G. Richardson, Axman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted George C. Swan,

, United States Deputy Surveyor, in surveying all

those parts or portions of the Subdivisions of Tps. 1, 2, 3 & 4 S. R. 87 1/2,

of the Uintah  
Meridian, State of Utah, which are represented  
in the foregoing field notes as having been surveyed by him and under his direction; and that said survey  
has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the  
corner monuments established, according to the instructions furnished by the United States Surveyor  
General for 11a.d.

Thomas Speis, Chainman.

Alfred J. Peterson, Chainman.

Alpha H. Manning, Moundman.

George Alexander, Axman.

Paul G. Richardson, Axman.

, Flagman.

Subscribed and sworn to before me this 30

day of November, 1893 }

SEAL

George C. Swan

U. S. Deputy Surveyor

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

George C. Swan

United States Deputy Surveyor, do

and truly swear that, in pursuance of a contract received from Edward H. Anderson  
United States Surveyor General for Utah, bearing date of the  
10th day of September, 1903, I have well, faithfully, and truly, in my own  
proper person, and in strict conformity with the instructions furnished by the United States Surveyor  
General for Utah, the Manual of Surveying Instructions, and the laws of the  
United States, surveyed all those parts or portions of the Subdivisional lines of Town-  
ships 1, 2, 3, and 4 South, Range 8 West of the Uintah Special Base and  
Meridian, Utah.

of the

in books C.H.I. and J. State of Utah, which are represented in the  
foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly  
swear that all the corners of said survey have been established and perpetuated in strict accordance with  
the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor  
General for Utah, and in the specific manner described in the field notes, and that  
the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer  
the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

George C. Swan

United States Deputy Surveyor.

Subscribed by said George C. Swan, and sworn to before me,

this 13th day of December, 1904.

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000000

Edward H. Anderson

U.S. Surveyor-General

for Utah.

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, December 20, 1904.

The foregoing field notes of the survey of the Subdivisional lines of Township  
No. 1 South, Range No. 8 West of the Uintah Special Base and Meridian,  
Utah,

executed by

George C. Swan and Frederick C. Ferron

number 278

Contract No. 278, dated September 10, 1903

having been

critically examined, and the necessary corrections and explanations made, the said field notes, and the

survey they describe, are hereby approved.

Edward H. Anderson

United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in  
has been correctly copied from the original notes on file in this office.

United States Surveyor General.